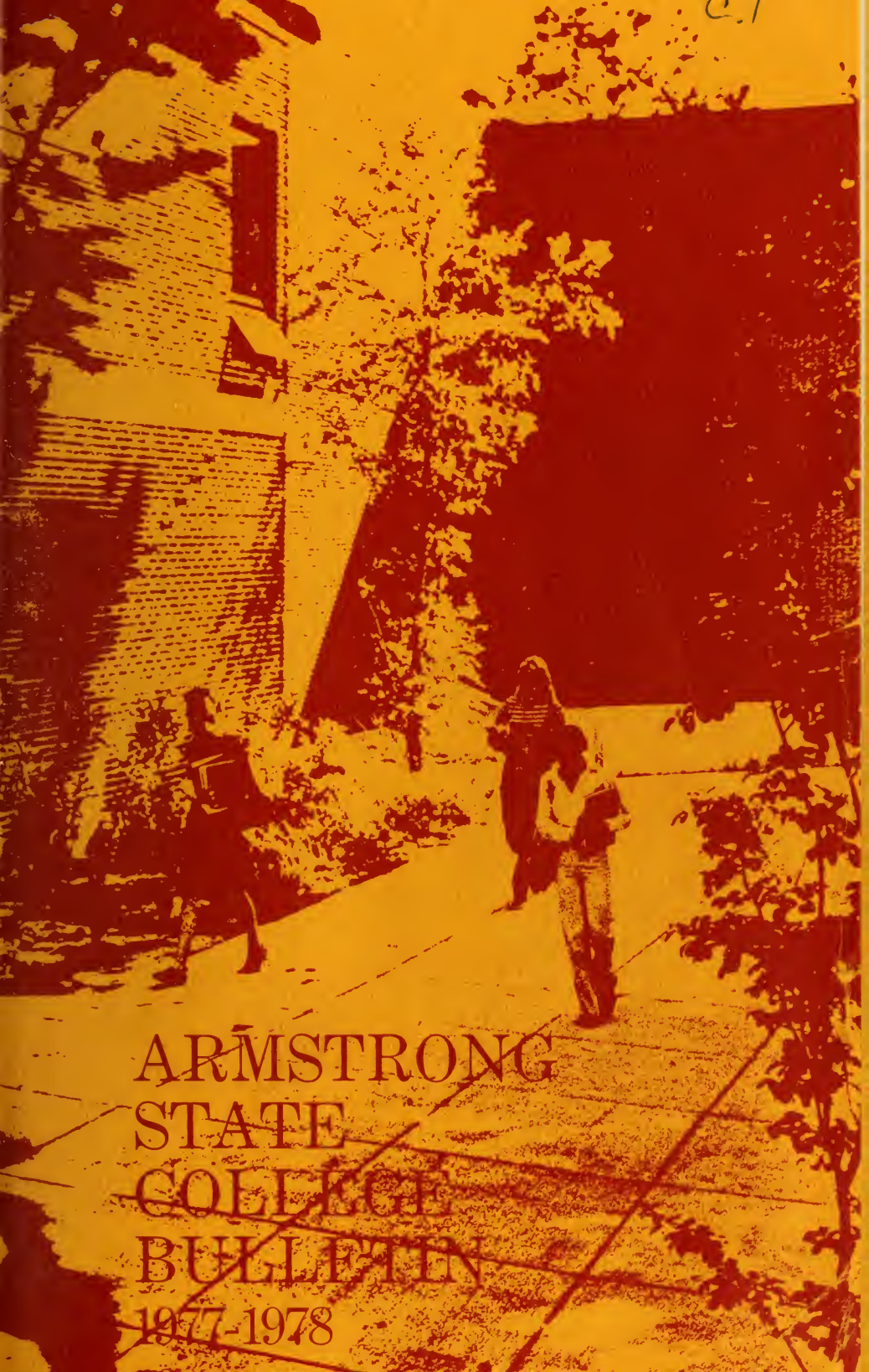
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ARMSTRONG STATE COLLEGE BULLETIN

1977-1978

The statements set forth in this Catalogue are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

While the provisions of this Catalogue will ordinarily be applied as stated, Armstrong State College reserves the right to change any provision listed in this Catalogue, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Offices of the Registrar, the Dean for Student Affairs, and the Vice President. It is especially important that each student note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

ARMSTRONG STATE COLLEGE IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EDUCATIONAL INSTITUTION AND DOES NOT DISCRIMINATE ON THE BASIS OF SEX, RACE, AGE, CREED, OR NATIONAL ORIGIN IN EMPLOYMENT, ADMISSIONS, OR ACTIVITIES. THE COLLEGE DOES NOT DISCRIMINATE ON THE BASIS OF PHYSICAL HANDICAP.

ARMSTRONG
STATE COLLEGE
LIBRARY

A Four-Year College in the

University System of Georgia

ARMSTRONG STATE COLLEGE

SUMMER FALL WINTER SPRING

1977-1978

Membership in

Southern Association of Colleges and Schools
Association of Georgia Colleges

American Association for Colleges of
Teacher Education

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1977

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ACADEMIC CALENDAR

1977-1978

SUMMER QUARTER, 1977

MAY	17	Freshman and transfer students should file all papers required in the application for admission by this date.
	28	Scholastic Aptitude Test (limited to Armstrong applicants).
	31	Transient students (for Summer Quarter only) should file all papers required in the application for admission by this date.
JUNE	11	Graduate Record Examinations.
	14	Registration.
	15	Classes begin.
	17	Last day to enroll in any class.
	21	Diagnostic Examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
	27	Evening administration of Comparative Guidance and Placement Examinations.
	28	Evening administration of Diagnostic Examinations for placement in beginning English and Mathematics classes.
JULY	4	Holiday.
	5	Diagnostic Examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
	6	Regents Examination.
	15	Mid-term reports due; last day to withdraw from a class without penalty.
	11-15	Advisement for Fall Quarter.
	16	National Teacher Examinations.
	18-22	Pre-registration for the Fall Quarter.
AUGUST	2	Undergraduate Assessment Program Examinations (Exit Examinations) - Selected Departments (application deadline - June 28).
	8-12	Student evaluation of instruction.
	12	Last day of classes.
	15-17	Examinations.
	17	Graduation.

FALL QUARTER, 1977

SEPTEMBER	2	Freshman and transfer students should file all papers required in the application for admission by this date.
	10	Institutional Scholastic Aptitude Test (limited to Armstrong applicants).
	12	Diagnostic Examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.

	14	First Faculty Meeting.
	19,20	Registration.
	21	Classes begin.
	23	Last day to enroll in any class; last day to pay fees.
OCTOBER	15	Graduate Record Examination.
	18	Regents Examination (application deadline - October 5).
	26	Mid-term reports due; last day to withdraw from a class without penalty.
NOVEMBER	2	Diagnostic examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
	7-11	Advisement for the Winter Quarter.
	12	National Teacher Examinations.
	14-18	Pre-registration for the Winter Quarter; student evaluation of instruction.
	22	Undergraduate Assessment Program Examinations (Exit Examinations) - Selected Departments (application deadline - October 18).
	24-25	Thanksgiving Holidays (begin at 12:30 P.M. on November 23).
DECEMBER	1	Last day of classes.
	2,5-7	Examinations.
	7	Christmas Vacation begins.

WINTER QUARTER, 1978

DECEMBER	10	Graduate Record Examination.
	14	Freshman and transfer students should file all papers in the application for admission by this date.
	17	Scholastic Aptitude Test (limited to Armstrong applicants only).
JANUARY	3	Registration.
	4	Classes begin.
	6	Last day to enroll in any class; last day to pay fees.
FEBRUARY	7	Regents Examination (application deadline - January 25).
	8	Mid-term reports due; last day to withdraw from a class without penalty; Diagnostic Examination for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
	18	National Teacher Examinations.
	20-24	Advisement for the Spring Quarter.
FEBRUARY MARCH	27-3	Pre-registration for the Spring Quarter.
MARCH	7	Undergraduate Assessment Program Examinations (Exit Examinations) - Selected Departments (application deadline - January 31).
	6-10	Student evaluation of instruction.
	14	Last day of classes.
	15-17	Examinations.
	20-23	Spring recess.

SPRING QUARTER, 1978

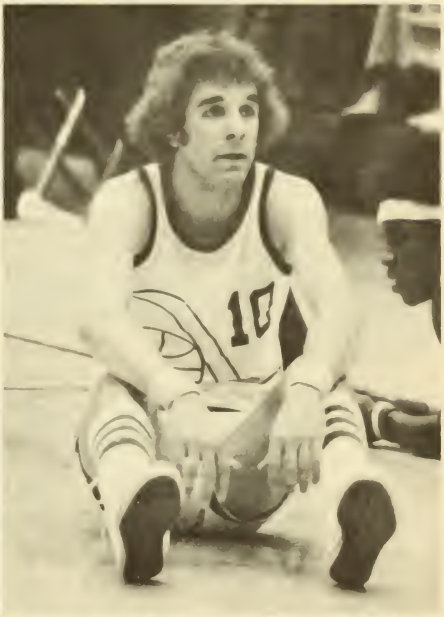
MARCH	10	Freshman and transfer students should file all papers in the application for admission by this date.
	18	Scholastic Aptitude Test (limited to Armstrong applicants only).
	24	Registration.
	27	Classes begin.
	29	Last day to enroll in any class; last day to pay fees.
APRIL	18	Regents Examination (application deadline - Arpil 5).
	22	Graduate Record Examination.
	26	Diagnostic Examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
MAY	1	Mid-term reports due; last day to withdraw from a class without penalty.
	8-12	Advisement for the Summer Quarter.
	15-19	Pre-registration for the Summer Quarter.
	23	Undergraduate Assessment Program Examinations (Exit Examinations) - Selected Departments (application deadline - April 18.)
MAY - JUNE	29-2	Student evaluation of instruction.
JUNE	2	Last day of classes.
	5-7	Examinations.
	7	Graduation.

SUMMER QUARTER, 1978

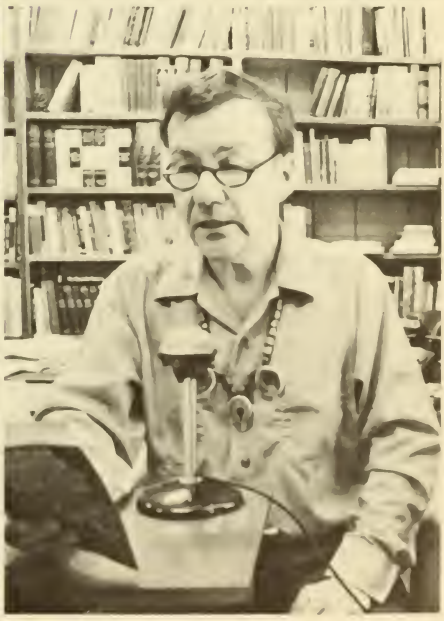
MAY	19	Freshman and transfer students should file all papers in the application for admission by this date.
	26	Transient students (for Summer Quarter only) should file all papers in the application for admission by this date.
	27	Scholastic Aptitude Test (limited to Armstrong applicants only).
JUNE	10	Graduate Record Examinations.
	12	Registration.
	13	Classes begin.
	15	Last day to enroll in any class; last day to pay fees.
	21	Diagnostic Examinations for placement in beginning English and Mathematics classes; Comparative Guidance and Placement Examinations.
JULY	3-7	Advisement for the Fall Quarter.
	4	Holiday.
	10-14	Pre-registration for the Fall Quarter.
	12	Regents Examination (application deadline - June 28).
	13	Mid-term reports due; last day to withdraw from a class without penalty.
	15	National Teacher Examinations.

JULY-AUGUST	31-4	Student evaluation of instruction.
AUGUST	1	Undergraduate Assessment Program Examinations (Exit Examinations) - Selected Departments (application deadline - June 27).
	10	Last day of classes.
	11,14-15	Examinations.
	15	Graduation.









I. HISTORY, PURPOSE AND PROGRAMS

HISTORY OF THE COLLEGE

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a pressing need for a college in the community. The college was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five additional buildings in the Forsythe Park and Monterey Square areas. The college, as Armstrong College of Savannah, became a two-year unit in the University System of Georgia on January 1, 1959, under the control of the Regents of the University System. In 1962, the Mills B. Lane Foundation purchased a new campus site of over 200 acres located on Abercorn Extension. The new campus, with eight new buildings, was occupied in December, 1965.

In 1964, the regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. President Henry L. Ashmore, who succeeded President Foreman M. Hawes on July 1, 1964, was charged with the responsibility of developing the institution from junior to senior status. A junior year was added to the college curriculum in 1966-67, with the senior year added in 1967-68 and the first four-year degrees awarded at the spring, 1968 commencement. The college now offers more than twenty major programs leading to baccalaureate degrees, and, in addition, the two-year associate degree in nursing, dental hygiene and in criminal justice. Effective in the 1971-72 academic year, the Board of Regents of the University System of Georgia authorized Armstrong State College and Savannah State College of offer joint programs leading to the M.B.A. and M.S. in Elementary Education degrees. Additional programs in Teacher Education at the secondary level were initiated Summer Quarter, 1972.

The academic community includes approximately 3400 students and 140 full-time faculty members. Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968, and was re-accredited in December, 1972. The Joint Graduate Studies Program was fully accredited by the Southern Association in December, 1973.

PURPOSE

Armstrong State College is a multi-purpose institution offering degree programs in the liberal arts, sciences, and a number of specialized fields. As a service to the community, it also provides a continuing education program for those who have non-degree objectives. The College strives to maintain the flexibility and adaptability which activated its growth and change of status in less than thirty-five years from a small city-supported junior college to a senior college in the University System of Georgia. Therefore, the College defines its present purpose in the following terms:

to provide modern facilities and a professional staff in an environment that promotes the free exchange of ideas;

to bring each student to a better realization of his own intellectual, emotional, and spiritual potential by providing academic programs in the humanities, natural sciences, and social sciences;

to develop the student's technical and analytical skills through programs leading to professional degrees in a number of areas, including Allied Health, Business Administration, Criminal Justice, and Teacher Education;

to offer opportunities for continuing education through symposia, conferences, institutes, and courses unrelated to degree programs;

to make available the full resources of the College through involvement in research projects, public service activities, and other programs sponsored by the community.

PRE-PROFESSIONAL PROGRAMS

Armstrong State College offers the first two years of programs in engineering, forestry, industrial management, physics; the entire pre-professional programs in dentistry, law, pharmacy, veterinary medicine, medicine, optometry, and other fields. Among specialized pre-professional programs are the following:

Armstrong State College-Georgia Institute of Technology Dual-Degree Program

Upon completion of the first three years of academic work at Armstrong, the student may enroll for two subsequent years at Georgia Institute of Technology. After completing the requirements of the two cooperating institutions, the student will be awarded a baccalaureate degree from Armstrong State College and a baccalaureate degree in one of a number of academic areas from Georgia Institute of Technology. For further information on this dual-degree program, the student should contact the Office of the Vice President.

Bachelor of Science Degree Program in Medicine

Any student who completes 140 quarter hours in academic courses at Armstrong State College with an average of C (2.0) or better is eligible, upon successful completion of the prescribed course of study for the first year at an accredited school of medicine, for the degree of Bachelor of Science (Medicine) from Armstrong State College.

Bachelor of Science Degree Program in Dentistry

Any student who completes 140 quarter hours in academic courses at Armstrong State College with an average of C (2.0) or better is eligible, upon successul completion of the prescribed course of study for the first year of an accredited school of dentistry, for the degree of Bachelor of Science (Dentistry) from Armstrong State College.

TWO-YEAR DEGREES

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions and for positions in business:

Associate in Arts.
Associate in Science in Nursing.
Associate in Science in Dental Hygiene.
Associate in Science in Criminal Justice.
Associate in Arts in Secretarial Studies.

FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, music, political science, psychology, economics, and social work.

Bachelor of Science in the fields of biology, chemistry, mathematical sciences, and criminal justice.

Bachelor of Business Administration with concentrations in accounting, management, management-marketing, economics, finance, business education, and information systems.

Bachelor of Science in Education with majors in Physical Education and Speech Correction.

Bachelor of Science in Elementary Education.
Bachelor of Science in Medical Technology.
Bachelor of Science in Dental Hygiene Education.
Bachelor of Science in Nursing.
Bachelor of Music Education.

GRADUATE PROGRAMS

Beginning with the Fall Quarter of 1971, Armstrong State College joined with Savannah State College offer a joint program of graduate work. Faculty and other resources of both institutions are drawn upon equally to operate the program, and degrees are awarded jointly by the

two schools. The Joint Graduate Studies Program offers instruction leading to the Master of Business Administration degree and the Master of Education degree in Early Childhood Education, Elementary Education, and Special Education (Behavior Disorders) as well as in the secondary teaching fields of Biology, Chemistry, English, Mathematics, History, and Political Science. The master's programs are designed to provide opportunities for further professional growth, for expanding professional and cultural backgrounds, and for extending knowledge and understanding in an area of specialty.

For complete information about these programs, contact the Dean for Graduate Studies at either Armstrong State College or Savannah State College, requesting a copy of the Graduate Bulletin.

INTERNSHIP PROGRAMS

Students at Armstrong State College may participate in two state-wide internship programs: the Georgia Intern Program and the State Legislative Intern Program. These programs provide the student with opportunities to observe first-hand and to participate in agency and legislative processes as he works under the direction of and is responsible to an agency or legislative supervisor. In addition to state-wide internship programs, students may participate in local internship experiences. They may receive academic credit for these experiences. They must be enrolled full-time at the College and must be in good academic standing. For further details concerning the requirements for internship programs at the College, please consult the Head of the Department of History and Political Science.

EVENING CLASSES

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for some degree programs. Students employed during the day must limit their enrollment to one or two courses each quarter.

SENIOR CITIZENS

Residents of Georgia, sixty-two years of age or older at the time of registration, may enroll in courses *for credit or as auditors* on a space available basis, with waiver of matriculation fees. They will be required, however, to pay for supplies, etc., that might be necessary for a given course. The individual must present a birth certificate or other comparable documentation of age to qualify for the waiver of fees and must meet all requirements for admission to the college. Further information on this program is available from the Office of Admissions.

COMMUNITY SERVICES-CONTINUING EDUCATION

Armstrong State College is committed to the concept that an academic institution should attempt to reach out and serve the community of which it is a part. This service includes the extension of the resources of the campus to individuals and groups that are not a part of the regular academic community and the use of the college's special competence to assist in the solution of community problems.

The Community Services division, under the direction of the Dean for College and Community Services, is responsible for the coordination of all community services/continuing education activities. Since these activities are viewed as a college-wide function, responsibility for program development is shared with the various academic departments. The major community services/continuing education components of the college are: (1) the short course/conference program; (2) the off-campus credit class program; (3) the Neighborhood Continuing Education Program.

SHORT COURSE/CONFERENCE PROGRAM. This unit administers non-degree courses, conferences, and seminars designed to provide for the educational needs of area residents who do not wish to participate in the regular credit classes offered by the college. Many of these activities are related to professional development experiences. The Office of the Registrar maintains permanent records of the individual's participation in those activities that meet certain criteria. The Coordinator of Short Course/Conferences is pleased to arrange an activity of special interest and value to community groups and organizations.

OFF-CAMPUS CREDIT CLASS PROGRAM. In order to provide education opportunities for specific groups of area residents, the college makes available credit classes at off-campus locations convenient to the students involved. These classes are conducted in strict conformity with college standards and with policies of the Board of Regents of the University System of Georgia. The Dean for College and Community Services welcomes requests for the organization of these classes.

NEIGHBORHOOD CONTINUING EDUCATION PROGRAM. This program is cooperative endeavor of Armstrong State College, Savannah State College, Georgia Southern College, and the University of Georgia. Located in the central city, this program provides continuing education activities for low income residents. Its major objective is to utilize the combined resources of the cooperating institutions to provide educational experiences suited to the needs of the citizens within the inner city area.

USE OF FACILITIES BY COMMUNITY GROUPS. As a tax supported unit of the University System of Georgia, the college makes available its facilities to certain community groups when such usage does not interfere with college sponsored activities and when such usage is for an activity of cultural, educational, or civic significance. College facilities will not be made available to (1) profit-seeking organizations; (2) com-

munity groups that are sponsoring events for the purpose of making a profit; (3) religious groups; (4) groups sponsoring activities that compete or conflict with college programs. A schedule of usage fees is available in the Office of the Dean for College and Community Services.

PROCTORING EXAMINATIONS. The Community Services division cooperates with the Georgia Center for Continuing Education (University of Georgia) through service as a center at which examinations are proctored for students enrolled in independent study (correspondence) courses. A booklet describing these courses is avilable upon request. Examinations from other colleges and examinations by professional societies can also be proctored. Examination proctoring is by prior arrangement only. Students using this service are encouraged to check with the division office prior to the date for the examination to make certain that the examination materials are on hand.

OFFICE OF DEVELOPMENT

The purpose of the Office of Development is to promote funding for college programs from sources supplemental to state appropriations and student fees. To accomplish this purpose, the college participates in federal and other grant supported activities and seeks assistance from alumni and friends. From private sources, the College accepts memorial and other gifts for the athletic program, instructional equipment, library books, matching funds for grants, scholarships, and other restricted pruposes. Unrestricted contributions are accepted to be used at the discretion of the President to meet special and unforeseen needs. Gifts of any size can be used to add to the library collection in the name of an individual or an agency, although all gifts are acknowledged and published, where appropriate and when requested, by the donor's name. Gifts for scholarships are generally received by the College in one of two ways: the donor specifies support or choice of specific students, with the College serving only as a distribution agent; *or* the donor specifies support of student scholarships generally or scholarships within a broad academic field, with the College identifying the gift by name, if appropriate, and distributing the funds according to standard policies and procedures. Gifts of this latter type are tax deductible. The Director of Development is pleased to provide further information to any prospective donor.

OFFICE OF COMPUTER SERVICES

This office coordinates the campus-wide system of computer services. The Director also provides technical assistance to the faculty and staff of the college in the development of computer programs and systems. Through participation in the University System Computer Network, information processing devices located on campus are connected via a direct telephone line to the large computers located at Georgia State University and the University of Georgia.

ACADEMIC SKILLS LABORATORY

The purpose of the Academic Skills Laboratory is to provide aid for those students experiencing difficulty in the areas of reading, mathematics, or English. An individualized program is planned and conducted after identification of the student's needs through diagnostic procedures.

A student may be referred to the Laboratory by a faculty member or may refer himself. The student may enroll for five to fifteen institutional credit hours per quarter. The student's program may be completed in less than a full quarter, or may be continued over two or more quarters.

STUDENT EXCHANGE PROGRAM WITH SAVANNAH STATE COLLEGE

A student enrolled at Stavannah State College or at Armstrong State College as a full-time student has the privilege of taking one course with his Dean's approval at the other college without paying an additional fee. A student may take courses in his home college paying full fees and one course at the other college, which will be transferred back to his home college, or a student with at least a "B" average in the preceding quarter may take three courses at his home college, paying full fees, and register at the other college for an additional course without additional cost. No restrictions are placed on the number of courses taken at the other college if the student is enrolled in the Joint Graduate Studies Program or in the undergraduate cooperative programs in Music Education, Physical Education, or the undergraduate joint program in Social Work. In the undergraduate programs, however, the student must enroll in major area courses *only* to receive unrestricted enrollment privileges.

The colleges operate a shuttle-bus service between the two campuses to facilitate movement of students who are taking courses on both campuses.

A student may obtain in the Office of the Vice President the proper form for permission to register for courses at Savannah State College.

NROTC PROGRAM

Students at Armstrong State College may enroll in the Naval Reserve Officers Training program offered on the Savannah State College campus. For further information, consult the Registrar at Armstrong State College; the Commanding Officer, NROTC Unit, Savannah State College; or the *Savannah State College Bulletin and General Catalog.*

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The

Platoon Leaders Course (PLC) is offered to freshmen, sophomores and juniors who attend precommissioning training during the summer. Financial Assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. No work in this program is offered on campus. For details, contact the placement office or the Marine Officer Selection Officer when he is on campus.

LIBRARY

The Lane Library, centrally located on campus, is a multi-resource and multi-service facility. The first floor houses a reference collection, all periodicals and micromaterials, government documents, maps, vertical files, folios, archives, and a reading room. The technical services department, in which all orders are placed, cataloged, and processed, is also located on this floor. The department utilizes a CRT terminal and MODEM for all monograph cataloging as a member of the Southeastern Library Network. All audio-visuals, both software and harware, the circulating collection, individualized study carrels, and typing facilities are located on the second floor. A television production studio and graphics laboratory are also located on this floor. This sophisticated complex allows faculty to augment their classroom lectures with in-house production of video programming and broadcasting.

The library collection combines traditional media such as monographs, periodicals and micromaterials with more recent types of media such as audio and video tapes, recordings, filmstrips and motion pictures. An array of micromaterial readers and printers, video beam projectors, and audio hardware is available for constant use. Housed in the library are approximately 306,000 total resources, including 110,000 books and bound periodicals; 8,000 documents and maps; 180,000 microforms; 4,000 records, motion pictures, slides, and video tapes; and 1,100 newspaper and periodical subscriptions.

The Lane Library's card catalog, a cooperative project of several Savannah area libraries, lists the location of most print and non-print materials in the following libraries: Armstrong State College, Savannah State College, Savannah Public Library, Georgia Historical Society, Memorial Medical Center, St. Joseph's Hospital, Georgia Regional Mental Health Clinic, U.S. Army Corps of Engineers-Savannah District, and the Chatham County Department of Human Resources.

The Lane Library faculty and staff welcomes suggestions for the improvement of its collections and services.

II. STUDENT SERVICES, ACTIVITIES

The Office of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Office of Student Affairs through the following individuals: Counselors, Director of Placement, Director of Financial Aid, Director of Student Activities and Campus Nurse.

COUNSELING

Counselors are available in the Counseling and Placement Office to assist students in making successful and realistic decisions and in choosing appropriate routes for attaining selected goals. The counseling process focuses on increasing the student's self-understanding and respect for his own ability to make decisions that will affect his life. All discussions are confidential.

Counselors can assist students in clarifying educational and vocational objectives, in developing effective study skills and habits, and in dealing with problems of social and emotional significance.

VETERANS SERVICES

Armstrong State college maintains an Office of Veterans Affairs located in the Administration Building. The veterans' director is available to assist veterans with admissions procedures, academic advisement, career development, and social and emotional adjustments to college. The office also employs a number of student/veterans to assist in meeting the needs of veteran student body at Armstrong.

Veterans, Disability, and War Orphans Assistance

Eligibility. Veterans who served on active duty for other than training purposes for more than 180 days, any part of which occurred after June 1, 1966, are eligible for financial assistance to attend college through the G.I. Bill. Generally, sons and daughters of veterans whose death or total disablement was a result of service in the armed forces are eligible for financial benefits under the veterans program for educational assistance.

How to Apply. A prospective student must first make application to the College and gain approval for admission from the Office of the Registrar/Director of Admissions. A veteran cannot receive benefits while matriculating under a Continuing Education admission status. Once accepted, the veteran should go to the local office of the Georgia Department of Veterans Service located at 410 Mall Boulevard, Savan-

nah, Georgia, and have an application for VA educational benefits completed. The veteran must carry a copy of his Record of Discharge, DD Form 214, and supporting documentation of dependency status (marriage certificate; divorce decree, if previously married; and birth certificates of all dependent children). The veteran will then be given the forms to be presented to the Office of Veterans Affairs at Armstrong State College. Students transferring from other educational institutions, OJT programs, or correspondence schools must complete a "Request for Change of Place of Training/Change of Program" VA Form 1995 with the Armstrong Office of Veterans Affairs. At the time of initial matriculation each student/veteran must declare a specific program of study (major) and must follow the curriculum for this major without exception or benefits may be interrupted. Any student receiving government benefits from the Veterans Administration must check with the Armstrong State College Office of Veterans Affairs at the beginning of each quarter and file a form declaring the specific courses and number of credit hours which he is attempting. Each student/veteran is reminded that he must report any changes in his attendance, i.e., dropping, adding or withdrawal from school to the Armstrong Office of Veterans Affairs immediately following such action. Veterans entering school under the G.I. Bill should have sufficient funds to finance themselves until payments from the VA begin (approximately six weeks after application).

TESTING SERVICES

A variety of tests and inventories are available through, and often included in, counseling services. Such tests help students to evaluate personal, educational, or vocational needs. Test results are confidential.

The following testing programs are administered regularly by members of the counseling staff: College Level Examination Program (CLEP), Medical College Admission Test (MCAT), Dental Admission Test (DAT), Dental Hygiene Aptitude Test, Graduate Record Examination (GRE), National Teacher Examination (NTE), Regents Examination, the Scholastic Aptitude Test (SAT), and the Undergraduate Assement Tests (Exit Examinations). Information and applications for the Graduate Management Admission Test, the Graduate School Foreign Language Test, Law School Admission Test, Pharmacy College Admission Test, Professional and Administrative Career Examination, Veterinary Aptitude Test, and State Merit Examination may be obtained from the Counseling and Placement Office.

ORIENTATION

The decision to enter college for further education and knowledge is an important point in an individual's process of self-development. The Summer Orientation Program (CHAOS) at Armstrong State College is planned to aid the student in his transition to college by exposing him to the

dynamics of successful decision-making. Using techniques that encourage the realization of possible outcomes and consequences, the student will learn to explore his possiblities with more understanding and confidence.

Freshmen participating in this program will be given information concerning student activities programs, visit campus facilities, and plan their class schedules with academic advisors.

An abbreviated orientation program is scheduled for students new to the college prior to registration Winter, Spring, and Summer Quarters.

PLACEMENT OFFICE

The Placement Office, located in the Administration Building, offers general assistance in the planning of career directions. The office operates a personal resume service for all regularly enrolled students and alumni of the college, receives listings of full-time career opportunities, and arranges on-campus recruiting with business, governmental and educational agencies. Students who wish to make use of the Placement Service are advised to contact the Placement Office three quarters prior to completion of studies.

The Placement Office also provides a job listing and referral system for currently enrolled students who are seeking part-time, temporary, or vacation employment.

CONDUCT

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System and Code of Conduct. The Honor System is outlined under "Academic Regulations" in this Bulletin and the Code of Conduct is published in the Armstrong Student Handbook, *Students Illustrated.*

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System of Georgia is assumed. To enroll is to agree to assume responsibility for adhering to policies and using established channels to promote change. Not to do so is sufficient basis for the college to terminate a student's enrollment.

STUDENT ACTIVITIES AND ORGANIZATIONS

In addition to an outstanding academic program, Armstrong State College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and to assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include the following:

Religious:
- United Christians on Campus
- Baptist Student Union

Greeks:
- Alpha Gamma Delta Sorority
- Sigma Kappa Sorority
- Phi Mu Sorority
- Phi Kappa Theta Farternity
- Pi Kappa Phi Fraternity
- Pi Kappa Alpha Fraternity
- Sigma Nu Fraternity

Professional:
- Student Nurses Association of Georgia
- Future Secretaries Association
- Student Association of Educators
- Junior American Dental Hygienists Association
- Armstrong State College Mathematics Association
- Sigma Alpha Eta (National Speech & Hearing Association)
- American Chemical Society
- Alpha Sigma Chi (Physical Education)
- Computer Science Club
- Social Work Club

Interest:
- Glee Glub
- Band
- Chess Club
- Cheerleaders
- Masquers
- Women of Worth (WOW)
- Buccaneers
- Black American Movement
- Veterans Club
- Rugby Club

Honorary:
- Delta Lamba Alpha (Scholastic honorary for freshmen)
- Phi Delta Theta (History)
- Pi Delta Phi (French)
- Pi Mu Epsilon (Mathematics)
- Kappa Delta Pi (Education)

STUDENT GOVERNMENT

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and are entitled to vote in SGA elections. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

STUDENT PUBLICATIONS

The official student publications on campus include the *Inkwell* (the college newspaper) and the *Geechee* (the college annual). These publications are produced by students under the supervision of approved college advisors. Financed in part by the Student Activity Fund, these publications provide opportunities for students in creative writing, reporting, and design.

HEALTH

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15 a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hestitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. Information regarding the program may be secured in the Office of Student Affairs.

DENTAL HYGIENE SERVICES

The Dental Hygiene clinic is available to Armstrong State College and Savannah State College students who wish to receive an oral prophylaxis and a fluoride treatment. School identification cards will be requested by the Clinic receptionist.

ALUMNI OFFICE

The primary purposes of the Alumni Office are to keep former students informed about the college and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association and, upon payment of his dues, will receive association periodicals, and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Alumni Secretary.

HOUSING

There is no student housing on campus. Private apartments for male, female, and married students are located within walking distance of Armstrong State College. For futher information regarding housing, please contact the Office of Student Affairs.

ATHLETICS

Armstrong State College is affiliated with the National Collegiate Athletic Association, College Division. The College teams participate in intercollegiate competition in basketball, baseball, tennis, golf, cross country track events, and bowling. The Armstrong Pirates (Basketball) were the 1977 SAC champions and participated in the NCAA regional play-offs.

INTRAMURALS

The Student Intramural Council and Intramural Department provide a diversified program available to all students and faculty, including organized competitive sports, recreational activities, and clubs. Any student interested in participating in these activities should contact the Director of Intramurals.

CULTURAL OPPORTUNITIES

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral and instrumental groups have created distinguished traditions.

ARMSTRONG SUMMER THEATRE

The Armstrong Summer Theatre presents annually during the Summer Quarter a season of three plays with popular appeal, produced by a company of amateur talents (actors and technicians) from the college community. Participants may receive college credit (see course listing under Department of Languages and Literature).

III. FEES

APPLICATION FEE

The Application Fee of $10.00 is paid by each student at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of the student. This fee is not refundable.

In addition to the application fee mentioned above, a deposit of $50.00 is required of all dental hygiene applicants who are accepted for admission. This deposit is applied against registration fees during the first quarter of attendance. If the student does not enroll, the deposit is not refundable.

MATRICULATION FEE

The Matriculation Fee for students registering on campus for the normal course load of fifteen hours is $145.00. Students carrying less than 12 credit hours on campus in a quarter will pay at the rate of $12.00 per quarter hour in Matriculation Fees. Students who register for off-campus credit hours will pay at the rate of $15.00 per credit hour. Matriculation fees are waived for residents of Georgia upon presentation of written documentation that they are 62 years of age or older.

OUT-OF-STATE TUTITION

Non-residents of Georgia must pay a fee of $238.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of $20.00 per quarter hour Out-of State fee in addition to all regular fees. Students who register for off-campus credit courses will pay at the rate of $20.00 per quarter hour Out-of State Fee in addition to all regular fees. Out-of-State tuition fees are waived for *active duty* military personnel and their dependents.

STUDENT ACTIVITY AND HEALTH/SERVICE FEES

There will be a Student Activity Fee ($12.50) and a Health/Service Fee ($2.50) per quarter for all students enrolled in the undergraduate program.

ATHLETIC FEE

There will be an Athletic Fee of $8.00 per quarter for all students enrolled in the undergraduate program.

APPLIED MUSIC FEES

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of $31.00 for one twenty-five minute lesson or $62.00 for two lessons is charged quarterly to students not admitted to a music degree program and to music majors not enrolled for ten or more quarter hours of credit. This fee in refundable only when the student has not met his first lesson.

LATE REGISTRATION FEE

A late registration fee of $4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of $5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit." This fee is not refundable.

CHANGE OF SCHEDULE FEE

A fee of $2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

GRADUATION FEE

A Graduation Fee of $20.00 will be collected from each candidate for Graduation.

TRANSCRIPT FEE

Each student is entitled to one official transcript of his college work. The charge for additional copies is $1.00 each.

SUMMARY OF FEES

Matriculation, per quarter	$145.00
Student Activity, per quarter	12.50
Health/Service, per quarter	2.50
Athletic, per quarter	8.00
TOTAL FOR GEORGIA RESIDENTS	$168.00
Out-of-State Tuition, per quarter	$238.00
TOTAL FOR NON-RESIDENTS	$406.00
Matriculation Part-time Students per quarter hour	$12.00
Non-Resident Tuition, Part-Time Students, per quarter hour (in addition to Matriculation Fee)	$20.00

PRIVILEGE FEES

Application Fee	$10.00
Late Registration-Maximum	5.00
Graduation Fee	20.00
Transcript, first one free, each additional	1.00
Change of Schedule	2.00
Applied Music Fee	31.00/62.00
Dental Hygiene Deposit	50.00

REFUNDS

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Privilege fees are not refundable. Students who formally withdraw on the date of scheduled registration or during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid that quarter.

Any student delinquent in the payment of any fee due to the college will have grade reports and transcripts of records encumbered. Grade reports and transcripts will not be released, nor will the student be allowed to re-register at the college until all financial obligations are met.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of $5.00 service charge.

SHORT COURSES

Fees are announced for each quarter when the course is scheduled by the College. No refund can be made for withdrawal from a short course.

Fees and Charges are Subject to Change at the End of any Quarter.

IV. STUDENT FINANCIAL AID

Armstrong State College subscribes to the principle that the primary purpose of a student financial aid program is to provide financial assistance to students who, without such assistance, would be unable to attend college. The primary responsibility for financing a college education is the inherent obligation of the student and/or family. Financial assistance from Armstrong State College should be viewed as supplementary to the efforts of the student and/or family. An assessment of parental ability to contribute toward the student's educational expenses is made by the College Scholarship Service so that neither the parent, the student, nor Armstrong State college be required to bear an undue share of the financial responsibility.

APPLICATION INFORMATION

An applicant for student financial aid at Armstrong must:

1. be enrolled or accepted for enrollment at the College;
2. obtain a copy of the Armstrong State College Request for Student Financial Aid, complete the form, and return it by 1 April for the coming academic year;
3. submit a College Scholarship Service financial statement to the Office of Student Financial Aid by 1 April for the coming academic year;
4. submit a Basic Educational Opportunity Grant eligibility report to the Office of Student Financial Aid by April preceding the next academic year.

It may be necessary to complete additional forms depending on a student's year in school, major course of study, and/or eligibility for a particular program. Applications for financial assistance must be repeated annually. Most student financial aid awards are for the entire academic year, with payments made to the student in equal quarterly installments. A student may, however, apply and be considered for financial assistance during the academic year, if funds are available.

All student financial aid awards are contingent upon the availability of funds and the recipient's maintaining satisfactory progress toward a degree. Also, each recipient must maintain good academic standing as defined in this *Bulletin*.

The minimum number of hours for which a student financial aid recipient may enroll per quarter varies from program to program. Most require at least 10 hours per quarter, and some require full-time status, or at least 12 hours per quarter.

CATEGORIES OF AID

The College provides necessary financial assistance through grants/scholarships, work, and/or loans. Grants and scholarships are awards that require neither service nor cash repayments. Opportunities for part-time employment are provided for eligible students, usually on-campus, who are paid federal minimum wages on an hourly basis. Loans require cash repayment, service repayment, or a combination of both. These funds are made available through the federal government, state government, and local sources.

FEDERAL ASSISTANCE

The *BASIC EDUCATIONAL OPPORTUNITY GRANT PROGRAM* is designed to provide financial assistance to those who need it to attend post-high school educational intitutions. The BEOG is a grant and, unlike a loan, does not have to be repaid. It is estimated that academic year awards will range between $50.00 and $1,000.00.

The *SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT PROGRAM* is available to eligible students who establish exceptional financial need as determined by the College Scholarship Service. The minimum award is $200.00 per academic year. The maximum may not exceed one-half of the student's established need, nor can it be more than one-half of the financial assistance supplied through the College.

Currently, the *COLLEGE WORK-STUDY PROGRAM* allows an eligible student to work each class day during the quarter. Satisfactory work performance is mandatory.

A *NATIONAL DIRECT STUDENT LOAN* may be awarded to an eligible student who has established a need through the College Scholarship Service. Interest will be computed at the rate of three percent per annum simple interest on the unpaid principal balance. Interest is not charged and repayment is not required until nine months after the borrower ceases to be a student.

FEDERAL NURSING STUDENT LOANS AND/OR SCHOLARSHIPS are available to students who have: (1) established a financial need through the College Scholarship Service, (2) been accepted for enrollment by Armstrong State College, and (3) been admitted to the Nursing Program by the Department of nursing.

In-service criminal justice personnel may qualify for a grant and/or loan under the *LAW ENFORCEMENT EDUCATION PROGRAM*. Awards are made on a priority basis. An additional application is required.

STATE ASSISTANCE

GEORGIA HIGHER EDUCATION ASSISTANCE CORPORATION. Under this program, guaranteed loans are provided by private lending institutions to residents of Georgia. The loans accrue interest at the rate of 7 percent simple interest. Loans are made by lending institutions that have signed a contract with and have the guarantee of GHEAC. The process involves application for the loan by the student and parents, certification by the educational institution, and final approval by GHEAC. Students who are unable to secure funds locally may apply for a STATE DIRECT LOAN. In this instance, the State of Georgia provides the funds and GHEAC guarantees the loan. Students enrolled in certain health career fields may elect to cancel all or a portion of their state direct loans by practicing in their fields. Applications and additional information may be obtained from the Office of Student Financial Aid.

GEORGIA INCENTIVE SCHOLARSHIPS are awarded to residents who began post-high school education after 1 April, 1974, and whose eligibility has been determined by the College Scholarship Service financial analysis. All veterans who were residents of Georgia at the time of their entry into military service may apply.

The *BOARD OF REGENTS' FUND* sponsors a program under which Georgia residents may qualify for financial assistance at units of the University System. Applicants must be in the upper 25% of their class and have established a financial need through the College Scholarship Service. Recipients must agree to work in the state, at an occupation for which they are qualified educationally, one year for each $1,000 received. If unable to meet this obligation, the student is expected to repay the full amount with interest at the rate of 3 percent simple interest.

Students may be recommended for employment on the *INSTITUTIONAL STUDENT ASSISTANTS PROGRAM.* Some departments and offices of the college have funds available to hire student workers. Initial contacts should be made by the student with the appropriate department head.

LOCAL ASSISTANCE

INSTITUTIONAL SHORT-TERM LOANS are available to students for a maximum of sixty days. Interest shall accrue at the rate of 3% per annum. There are four short-term loans accounts: General, Nursing, Exchangette, and Kiwanis. Monies for the General Fund have been provided by the following sources:

John Bravo Memorial
Rensing Loan
Rho Beta Chapter of Alpha Phi Omega
Senior Class
Sigma Kappa Sorority

Special Loans
Stephen Davis Memorial
Union Camp Corporation

Applications are available in the Office of Student Financial Aid.

Dental Hygiene students may apply for scholarship and/or loan funds from the *PADEREWSKI MEMORIAL FUND.* Interested students should contact either the Head of the Dental Hygiene Department or the Office of Student Financial Aid.

Armstrong State College accepts *SCHOLARSHIP* applications throughout the year. Most awards are made annually during the summer. Scholarships are awarded when:

1. an agency notifies the College of its intention to award a scholarship to a specified student, or
2. an agency informs the College that it will award scholarships to a specific number of students selected by the Student Financial Aid Committee.

The following is a partial list of scholarship donors for the 1976-77 academic year:

American Business Women's Association - Rebel, Azalea, and Historic Savannah Chapters
Anthony Porter Scholarship
Fraternal Order of Police
Georgia Pacific Foundation
Great Dane Trailers, Inc.
Harry M. Carter Scholarship
Kahn Memorial Scholarships
Kiwanis Club
Lucas Memorial Scholarship
McCallum Memorial Scholarship
Roper Foundation
Rotary Club
Sarah Mills Hodge Memorial Scholarship
Savannah Jaycees
Savannah Jaycettes
Southside Savannah Jaycees
Union Camp Corporation
Winn-Dixie Stores, Inc.
Women's Auxiliary of the Georgia Medical Society

SOCIAL SECURITY ADMINISTRATION: Social Security provides monthly benefits to children when a parent (a) dies, (b) starts receiving Social Security retirement, or (c) starts receiving disability benefits. Payments can be made until age 22, provided the child is a full-time student in an educational institution. Benefits can continue until the end of the quarter of attainment of age 22, if requirements for a bachelor's degree are not complete. Once Social Security benefits begin, it is the individual's responsibility to notify the Social Security office if he transfers to another school, if he withdraws from school, or if he reduces his hours below full-time attendance. The individual must also notify the Social Security Administration if he marries, if he is adopted, or if he earns more than $2,520 a year. Students who want to file applications, report changes, or receive more information should contact their Social Security Office.

VETERANS SERVICES: See Section III: Student Services, Activities.

VOCATIONAL REHABILITATION: The Georgia Vocational Rehabilitation Program provides financial assistance for the applicant who possesses an impairment which would prove to be a vocational handicap. The Office of Vocational Rehabilitation may pay the cost of tuition, books, and fees. Students who think that they may qualify under this program should contact one of the area Vocational Rehabilitation Centers located throughout the state. The Savannah Center is located at 420 Mall Boulevard. Applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least 6 (six) weeks before the beginning of any quarter to insure proper processing of applications.

Student Financial Aid Officers at Armstrong State College are members of the National Association of Student Financial Aid Administrators, the Southern Association of Student Financial Aid Administrators, the Georgia Association of Student Financial Aid Administrators and other relevant organizations.

V. ADMISSION TO THE COLLEGE

GENERAL INFORMATION

Application froms for admission to Armstrong State College are attached to this *Bulletin* and provided by the Admissions Office upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications should be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter.

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of achievement and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

On the basis of achievement as reflected by high school or college grades and academic potential as shown by scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made. The Admissions Officer may refer any application to the Admissions Committee of the College for study and advice.

The decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer in accordance with admission policies and subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System. The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State college are required to affirm

that they will abide by the provisions of the Honor Code. For a detailed explanation of the Honor Systems see the REGULATIONS section of this bulletin.

REQUIREMENTS FOR FRESHMAN APPLICANTS

All freshman applicants must meet the following requirements:

1. a. Certificate of graduation from an accredited high school. A transcript of the applicant's high school record must be submitted by the high school directly to the College and must show credit for a minimum of sixteen units, including the following subjects: English (4 units); Mathematics (2 units of which one unit must be in algebra, although two units are desirable; for students entering engineering or scientific fields, two units of algebra and one unit of geometry are needed); Science (2 units); Social Studies (2 units), and other units sufficient for graduation.

 OR

 b. Successful completion of the General Education Development Test (GED). Specific scores required are listed under the categories of admission below. A score report form must be submitted directly to the college from the GED testing center where the student took the test or by DANTES, 2318 South Park Street, Madison, Wisconsin 53713 (if the student took the test through the United States Armed Forces Institute while in military service).

2. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Specific scores required are listed under the categories of admission below. Official results of a national administration of the SAT must be filed with the Admissions Office by the final date for the submission of an application for the quarter in which a student wishes to enroll. The Scholastic Aptitude Test is given in all states and many foreign countries at least six times annually. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor or from the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

3. A non-refundable application fee of $10 must accompany the application form. This fee does not bind the College to admit the applicant, nor does it indicate acceptance of the applicant's qualifications. If a student wishes to enter the College at the beginning of a quarter later than that for which he was initially accepted, he must request reactivation of his application for admission. If the student has not enrolled within one year from the date of his initial acceptance, he must reapply and resubmit the application fee by the date specified.

4. If the medical history of an entering student is such that his participation in required physical education, instruction is not recommended or should be limited or if the student is under the care of a physician due to a special medical problem, he must have a physical examination prior to his admission. A physical examination prior to admission is required for all students in the Nursing Program. Entering students who are in good health and who are not under the care of a physician must submit a signed statement to this effect along with their completed applications for admission.

CATEGORIES OF ADMISSION

Freshman applicants may be admitted to Armstrong State College in one of two admission categories, Regular or Conditional admission. Specific requirements for these categories of admission follow:

Regular Admission

Applicants for the regular Admission category must:

1. Have a total score on the Scholastic Aptitude Test of the College Entrance Examination Board of at least 750 on the combined verbal and mathematics sections, with a score of not less than 300 on the verbal section; and
2. Have a 1.5 predicted freshman grade-point average as determined by the College Prediction Formula; and
3. Have (if applicable) no scores less than 45 on the GED.

Conditional Admission

Applicants who are not admitted in the Regular Admission category may be granted conditional admission if they:

1. Have a total score on the Scholastic Aptitude Test of the College Entrance Examination Board of not less than 550 on the combined verbal and mathematics sections, with a score of not less than 300 on the verbal section; and
2. Have a predicted freshman grade-point average of not less than 1.2 as determined by the College Prediction Formula; and
3. Have (if applicable) no scores below 45 on the GED.

An applicant who is conditionally admitted to the College must take, before registering for classes, a battery of tests (relating to English, Reading, and Mathematics) derived from the College Guidance and Placement Program of the College Entrance Examination Board. The student will remain conditionally admitted until such time as the results of this battery of tests are available. A student who satisfactorily completes the entire battery of tests will be granted regular admission. If any part

of the test results is unsatisfactory, the student's conditional admission status will be continued, and he will be required to take courses in the Academic Skills Laboratory in his area(s) of weakness. While the student is on conditional admission status, he must have the classes in which he is enrolled approved by the Head of the Academic Skills Laboratory. A student may demonstrate proficiency by achieving a grade of "Satisfactory" in each of the Academic Skills Laboratory courses required. Any student who remains conditionally admitted for six consecutive quarters from the date of his admission or who attempts any one Academic Skills Laboratory Course three times without attaining a grade of "Satisfactory" will not be permitted to continue at the College. Test dates for the Comparative Guidance and Placement Examination are listed in the Academic Calendar Published in this *Bulletin*.

APPLICANTS WHO DO NOT MEET THE GENERAL REQUIREMENTS FOR ADMISSION AND THE REQUIREMENTS FOR REGULAR OR CONDITIONAL ADMISSION WILL NOT BE ELIGIBLE FOR ADMISSION TO THE COLLEGE.

ADVANCED PLACEMENT AND CREDIT BY EXAMINATION

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the student's grade on the Advanced Placement Examination of the CEEB or the SAT achievement tests and approval by the appropriate department head at Armstrong State College.

College credit may be granted for satisfactory scores on selected tests of the College-Level Examination Program (CLEP), for satisfactory completion of appropriate courses and tests offered through the United States Armed Forces Institute (USAFI), and for military service schools and experience as recommended by the Commission on Accreditation of Service Experiences of the American Council on Education. Such credits may not exceed more than one-fourth of the work counted toward a degree.

Specifically, the student with a strong academic background may, through certain examinations, demonstrate competence in: Art 200; English 111; Foreign Language 101, 102, 103; History 114, 115, 251, 252; Mathematics 101, 103, 104, 201, 220; Music 200; Natural Science without Laboratory; Nursing 101; Political Science 113. For information concerning the examinations which apply to the specific areas, please make inquiry to the Office of Admissions, the Office of the Registrar, the Office of Counselling and Placement, or the Head of the appropriate Academic Department.

It is possible for a student, through a combination of the advanced placement and credit by examination programs, to begin his formal instructional program at Armstrong State College as a sophomore.

REQUIREMENTS FOR TRANSFER APPLICANTS

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office, but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants who will enter with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or for disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College, if, on *all* work attempted at other institutions, his academic performance as shown by his grade point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy in the "Academic Regulations" section of this *Bulletin*.)

5. Credit will be given for transfer work in which the student received a grade of "D" or above, with the percentage of "D" grades not to exceed twenty (20) percent of the total hours being transferred. College credit will not be allowed for such courses as remedial English or remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. In certain areas he may be required to validate credits by examination. In computing cumulative grade averages, only the work attempted at Armstrong will be considered.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. (This restriction is waived for students matriculating in the Bachelor of Science degree programs in Nursing and Dental Hygiene Education.) At least half of the courses in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken through correspondence or extension courses; no correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence course may be taken while a student is enrolled at Armstrong State College without prior approval of the Vice President and the head of the department in which the student is majoring. Correspondence credit will not be accepted for courses in English composition or foreign language.

CONTINUING EDUCATION STUDENTS

All military personnel and adults, age 25 years or older, who wish to take regularly scheduled courses for personal enrichment and other non-degree objectives may be enrolled for credit or as auditors. If these students enroll for credit, they must meet all prerequisites for the course involved; if they enroll as auditors, they must have the permission of the instructor involved. Admission of Continuing Education students requires: (1) evidence of high school graduation or possession of GED certificate or (2) transcript from last college attended. Students on probation or suspension will not be permitted to enroll in this program without approval by the Admissions Committee.

A maximum of 45 quarter hours credit may be earned by students enrolled in this classification. Should a degree become the objective of a Continuing Education student, he must apply for admission as a degree candidate, meeting regular admission requirements.

All college fees apply to students in this classification with the exception of the application fee which is not required until the student requests admission as a degree candidate. *Active* military personnel and their dependents (husbands/wives and children) qualify for resident fees.

READMISSION OF FORMER STUDENTS

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. This requirement does not apply to students who do not register for courses during the summer quarter. A former student who has not attended another college since leaving Armstrong may be

readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended another college since leaving Armstrong must meet requirements as listed in the bulletin in effect at the time of his return.

TRANSIENT STUDENTS

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally for one quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar, or he must meet all requirements for regular admission as a transfer student.

ARMSTRONG STATE COLLEGE ACCELERATED PROGRAM FOR HIGH SCHOOL STUDENTS

High school students who have completed the eleventh grade, who have met the criteria for admission to the program and who maintain its standards will be permitted to enroll for college credit in at least one course but not more than two courses each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted as regular students of the College.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career. Students accepted in the program may choose any freshman course for which they meet all prerequisites, with permission of their high school principal or counselor and college advisor.

A student forfeits the privilege of this program if in any quarter his grade in the course is below C or his high school average in academic courses is below B.

The College will consider a student for this program only upon written recommendation of his high school principal or counselor. In the view of the College, it is only these individuals who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal or counselor of the high school;

2. completion of the eleventh grade in an accredited high school;

3. a combined verbal and mathematics SAT score of 1,000.

EARLY ADMISSION AND JOINT ENROLLMENT PROGRAMS

Armstrong State College offers an early admission program for those students who have completed the eleventh grade in high school and who have demonstrated outstanding academic potential. The criteria for admission to this program are the same as those listed for the Accelerated Program.

Additionally, the college cooperates with the Chatham County School System in the offering of a joint enrollment program which is an early admission program allowing the student to enroll full-time at the college while remaining on the rolls of his local high school. After successfully meeting all established criteria for the early admission program, the student will be awarded a high school diploma at the end of his freshman year in college. The college Admissions Committee must approve all applicants accepted for admission to the joint enrollment program. For further information on this program the prospective applicant should consult his high school counselor and/or request information from the Admissions Office at Armstrong State College.

FOREIGN STUDENTS

It is recommended that, whenever possible, foreign students begin their attendance at the college in the fall quarter. The college also recommends that a foreign student attend an ELS language center prior to enrollment. (Applications for ELS are available from the Admissions Coordinator, ELS Language Center, 3331 Ocean Park Blvd. Suite 201, Santa Monica, California 90405.)

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of freshman applicants.

2. He must have an offical transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.

3. He must take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.

4. He must take the Test of English as a Foreign Language and ask that the results be sent to Armstrong. (Applications for the test are available from the Educational Testing Service, Box 899, Princeton, N.J. 08540.)

5. He must submit a statement of financial resources prior to attendance.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an I-20 Form (I-20A and I-20B), which he can take to the American consul to ask for a student visa. When he arrives on campus, he will be tested in English composition for class placement.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

ADMISSION OF VETERANS

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefit Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Laws 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

APPLICANTS SPONSORED BY VOCATIONAL REHABILITATION

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of applications.

ADMISSION TO THE ASSOCIATE IN SCIENCE DEGREE PROGRAM IN NURSING

Nursing requires a variety of skills and aptitudes and offers opportunities for service at differing levels of expertise. The associate degree nurse utilizes theories and principles from bio-psycho-social sciences and nursing as a basis for the nursing process. He/she uses the nursing process to support, promote or alter the client's adaptive state in response to identified, commonly occurring, health stressors.

The associate degree nurse is prepared to work co-operatively with colleagues on the nursing team in those health agencies where the setting is structured and supervision is available.

The candidate for the associate degree nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing.

Admission to Armstrong State College does not in any way guarantee formal admission to the Associate Degree program in Nursing. It is important that the applicant for admission to this program file all papers required for admission consideration as early as possible in the academic year preceding the Fall Quarter in which the applicant wishes to enroll. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one academic course in an accredited college of their choice during the school year of summer preceding their planned entrance into the Associate Degree Nursing program.

The Admissions Committee in the Department of Nursing will act only on completed applications. Admission decisions will be based on the applicants' academic records and will normally be made in March each year. Prospective students are encouraged to apply for admission as early as possible in the academic year. When the class has been filled, admissions will be suspended. Students who qualify for admission but who are not admitted because of lack of space may re-apply for the following year's class, repeating all application procedures.

In addition to the normal college tuition and fees, the student in the Associate Degree Nursing program must purchase uniforms and some supplies and equipment. Each student is required to wear the official uniform of the Nursing program. Approximately two weeks before the opening of school, each student admitted to the program will receive information, along with approximate charges, concerning supplies, equipment, and uniforms needed for the Fall Quarter. Students in the program are responsible for providing their own transportation to and from the community hospitals and other health agencies which furnish their facilities for use in clinical instruction within the program.

How to Apply

1. Complete all papers required in the application for admission to Armstrong State College. The procedures for admission to the College are outlined in this section of the *Bulletin*. Mark the application *For Nursing Only*.

2. An applicant for admission to the Associate Degree program in Nursing will not be considered until the student has received *regular* admission to the College.

3. The applicant must send SAT scores and the appropriate transcripts to the Department of Nursing (in addition to those submitted as part of the procedures required for admission to the College).

4. When the applicant has been admitted to the College as a regular student and when the Department of Nursing has received the

applicant's transcripts and SAT scores, he/she will be given an application form for admission to the Associate Degree program in Nursing.

Criteria For Admission

Applicants will be admitted to the Associate Degree program in Nursing under the procedures outlined above. The following criteria are considered as minimal for admission considerations:

1. a total score on the Scholastic Aptitude Test of the College Entrance Examination Board of at least 750 on the combined verbal and mathematics sections, with not less than a score of 350 on the verbal section and not less than a score of 350 on the mathematics section.
2. A minimum high school grade-point average of 2.0 (C).
3. A minimum adjusted college grade-point average of 2.0 (C), if applicable.
4. A satisfactory health record (the appropriate form is available in the Department of Nursing).

Applicants who do not meet the criteria for admission outlined above may apply for admission to the program for the Fall Quarter of the following year upon satisfactory completion of the requirements stated below:

1. Successful completion of five of the listed courses with a grade-point average of 2.0 (C) and no more than one repeat grade: Chemistry 201, Zoology 208, Biology 210 and any two of the following courses: English 111, English 112, Political Science 113, Psychology 101, History 251 or 252.
2. Completion of these courses no later than the end of the Winter Quarter prior to Fall Quarter for which admission to the Nursing Program is desired.
3. An adjusted grade-point average of 2.0 (C).
4. Successful completion of the diagnostic examination for placement in beginning Mathematics courses or successful completion of Mathematics 99.
5. A satisfactory health record (the appropriate form is available in the Department of Nursing).
6. Contact with the Counselor in the Department of Nursing upon completion of the above requirements. It is suggested that the student maintain contact with the Counselor periodically during the period in which he/she is working to meet the above requirements.

Readmission to the Program

Students who have been admitted to and have enrolled in the Associate Degree program in Nursing but who have either withdrawn or have been dropped from the program may apply for readmission only if they have an adjusted college grade-point average of 2.0 (C) at the time they wish to re-enter and only if they have received passing grades in all science courses attempted.

ADMISSION TO THE BACHELOR OF SCIENCE DEGREE PROGRAM IN NURSING

The Department of Nursing at Armstrong State College offers an upper-level curriculum allowing Registered Nurses from Associate Degree or Diploma programs to earn the degree of Bachelor of Science in Nursing.

How to Apply

1. Complete all papers required in the application for admission to Armstrong State College. The procedures for admission to the College are outlined in this section of the *Bulletin*. Mark the application *For Nursing Only*.
2. An applicant for admission to the Bachelor of Science degree program in Nursing will not be considered until the student has received *regular* admission to the College.
3. An applicant must send appropriate transcripts to the Department of Nursing (in addition to those submitted as part of the procedures required for admission to the College).
4. The applicant must present a letter of recommendation and employment verification from either his/her most recent employer in the area of Nursing or from the Director of Nursing in the school attended (whichever is the most recent contact).
5. When the applicant has been admitted to the College as a regular student and when the application for admission to the Bachelor of Science degree program has been completed, the Admissions Committee in the Department of Nursing will act upon the application.

Criteria for Admission

Applicants will be admitted to the Bachelor of Science degree program in Nursing on a space available basis and under the procedures outlined above if they meet the following criteria:

1. Graduation from an Associate Degree program in Nursing with an adjusted grade-point average of 2.5 (C+); or graduation from a Diploma program in Nursing, with successful completion of the

Associate Degree nursing and science courses or their validation examinations.

*2. Licensure as a Registered Nurse.

3. Active participation in the field of Nursing within the last three years (at least six months full-time or equivalent) *or* enrollment in a Nursing program within the last three years.

**4. Eligibility to enter English 111 as determined by the Diagnostic Examination for placement in beginning English courses *or* completion of English 111 or its equivalent.

**5. Eligibility to enter Mathematics 101 as determined by the Diagnostic Examination for placement in beginning Mathematics courses *or* completion of Mathematics 101 or its equivalent.

*The applicant who has not taken or who has not passed State Boards may be conditionally admitted until such time as he/she has taken and passed the Boards. While conditionally admitted, the student may take no more than 16 quarter hours of upper-level Nursing courses. Upon successful writing of the State Boards, the student must apply for regular admission to the Bachelor of Science degree program in Nursing.

**The applicant who does not meet either or both of these criteria for admission may be conditionally admitted. Both the Diagnostic Examination in English and the Diagnostic Examination in Mathematics are administered on a regularly scheduled basis (see "Academic Calendar" published in this *Bulletin*). Failure to complete successfully either or both of these examinations will require the completion of the appropriate developmental course(s). Upon successful completion of either the diagnostic examination(s) or the developmental course(s), the student must apply for regular admission to the Bachelor of Science degree program in Nursing. While conditionally admitted, the student may take no more than 16 quarter hours of upper-level Nursing Courses.

ADMISSION TO THE ASSOCIATE IN SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

The profession of Dental Hygiene is an ideal career for individuals interested in science and health services. The growing and constant demand for graduate dental hygienists assures regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. The hygienist's duties usually include performing oral prophylaxis (cleaning of teeth), instructing patients in dental health, taking, developing and mounting dental x-rays,

applying fluorides and sometimes assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

The Armstrong State College program consists of seven quarters of full time study (two academic years and the intervening summer). Applicants are matriculated once each year, in September.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

General Information

Admission to Armstrong State College does not in any way guarantee admission to the Associate Degree Program in Dental Hygiene. Applicants must first be accepted for admission to the college with Regular Admission status; they then must meet the requirements for admission to the Associate Degree program in Dental Hygiene before being accepted as students in that program.

The purpose of the program is to meet the need for individuals educated in this rapidly growing and important health profession. Dental Hygienists are in demand to provide dental health services in private dental offices, civil service positions, school programs, and various public health fields. They practice under the supervision of a dentist and must pass a written national board examination and a state board examination for licensure.

Admission to the program is limited to thirty students in each class. Students enroll in the Fall Quarter of each year. Applications for admission should be completed by Arpil 15 for the Fall Quarter. These applications must include a transcript of academic work to that date. A complete transcript must be submitted as soon as possible thereafter.

The major part of the applicant's high school work should be in the college preparatory area. Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that the applicant have a strong foundation in biology, chemistry, and mathematics. The quality of the applicant's high school work in English and Social Studies is important in the total evaluation of the qualifications for admission to the program.

Applicants who are on academic probation or suspension from another college will not be considered for admission to the program. Unless

specifically approved by the Head of the Department, credit will not be accepted for courses taken in another school of Dental Hygiene.

In addition to the normal college tuition and fees, the student in the Dental Hygiene program must purchase some supplies and equipment. Only new, complete, and approved instrument kits are acceptable. Each student is required to wear the official uniform of the program. These uniforms are ordered during the Fall Quarter. Approximately two weeks before the opening of school, each student admitted to the program will receive information, with approximate costs, concerning supplies and equipment needed for the Fall Quarter.

Armstrong State College does not provide student housing. For information regarding housing available in the area, contact the Office of Student Affairs. Students are responsible for providing their own transportation to and from community agencies when they are assigned to these agencies for field experiences.

Desired Admission Criteria

Factors influencing the decisions of the Dental Hygiene Admissions Committee are:

1. A 2.5 or better high school gradepoint average.
2. An SAT score (composite verbal and mathematics) of 850 or above.
3. An average score on the Dental Hygiene Aptitude test of 4.0. This test is recommended, but is not required.
4. Dental office experience.
5. A 2.0 gradepoint average on all previous college work, if applicable. Students transferring from another program within the college or from another college must have this average to be considered for admission. The 2.0 average must be maintained to date of actual matriculation in the program.

The Dental Hygiene Admissions Committee will give special consideration to applicants who have completed one year of college work and who have completed Chemistry 201 or Zoology 208 (or their equivalents) with a grade of "C" or better.

After all credentials have been received, the applicant may request a personal interview with the Admissions Committee to discuss matters relative to their applications.

Readmission to the Program

Students who have been admitted to and have enrolled in the Dental Hygiene program but who have either withdrawn or have been dropped from the program may apply for readmission to the program only if they

have a cumulative college gradepoint average of 2.0 (C) at the time they wish to reenter.

How to Apply

1. Complete all papers required in the application for admission to Armstrong State College. The procedures for admission to the College are outlined in this section of the *Bulletin*. Mark the application *For Dental Hygiene Only*. These forms are to be returned to the Admissions office.

2. Complete and return to the Department of Dental Hygiene the personal data form, the dental form, and 2 recent photographs.

3. It is recommended, but not required, that all applicants take the Dental Hygiene Aptitude Test. In order for the test scores to reach the Department of Dental Hygiene before April 15, the test should be taken during the Fall or Winter testing period.

Applicants may address the Director of Admissions or the Head of the Department of Dental Hygiene at Armstrong State College if they require additional information concerning admission to the Associate in Science degree program in Dental Hygiene.



REGISTRATION

Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes academic advisement, selection of courses, enrollment in classes, and payment of fees. Students who are employed may request priority in registration at pre-registration in the Registrar's Office. Full details regarding registration are provided to all incoming students after they have been approved for admission to the College.

RESIDENCY REQUIREMENTS OF THE BOARD OF REGENTS

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon a showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.

 (b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that he or she has in fact established legal residence in this State.

2. If a person is under 18 years of age, he or she may register as a resident student only upon a showing that his or her supporting parent or guardian has been a legal resident of Goergia for a period of at least twelve months immediately preceding the date of registration.

3. A person who is on full-time , active military duty with the armed forces and his or her spouse and dependent children may register upon payment of resident fees even though they have not been legal residents of Georgia for the preceding twelve months.

4. A full-time faculty member of the University System and his or her spouse and dependent children may register on the payment of resident fees even though he or she has not been a legal resident of Georgia for the twelve months.

5. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.

6. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees, when such teachers have been legal residents of Georgia for the immediately preceding nine months, were engaged in teaching during such nine month period, and have been employed to teach full time in the public schools of Georgia during the ensuing school year.

7. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.

8. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.

9. If the parents or legal guardian of a minor change his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration only upon the payment of fees at the non-resident rate.

10. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.





VI. ACADEMIC REGULATIONS

ACADEMIC ADVISEMENT

Academic advisement is made available to each student at Armstrong State College. The Vice President gives overall direction to the advisement program, with the appropriate Department Head coordinating advisement activities within the various departments. The student is expected to seek advisement from the department in which he is taking a major. The advisor maintains a record of his advisees' academic progress from quarter to quarter. The student who does not take advantage of the academic advisement program at the College should be reminded that he is responsible for fulfilling the requirements of his degree program and must be extremely careful to observe all regulations for admission to courses, such as the requirement of prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all prerequisite requirements are observed.

During summer orientation and before registration, all new students, both freshman and transfer students, will meet with faculty advisors. The faculty advisors will guide them at this time in mapping out a schedule for the fall quarter. The proper time for meeting with faculty advisors from that point on is during the advisement periods each quarter listed in the college calendar. All faculty advisors, however, will be happy to give academic counseling at any time during a given quarter, if students need to talk with them.

During the six quarters of his junior and senior years, the student *must* have his course selection approved in writing each quarter before registration by an advisor from the department in which he is majoring. During these last two years, the advisor will keep a record of the courses the student takes and the grades he makes, and, at least two quarters prior to graduation, when the student obtains the Application for Graduation, the advisor will signify to the registrar that the student has completed all requirements for graduation in his major program up to that time, and is, therefore, recommended for graduation upon his completion of the remaining requirements in his degree program.

RELATING TO DEGREE REQUIREMENTS

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only with the written approval of the Vice President, upon the recommendation of the department head.
3. A student will normally graduate under the catalogue in effect at

the time of his admission to the College. Armstrong State College, however, reserves the right to change any provision listed in this catalogue, including but not limited to academic requirements for graduation, without actual notice to individual students. If a student has been absent from the College for two or more consecutive years, he should expect to meet all requirements in effect at the time of his return.

4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence, extension, or examination. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the Vice President and the head of the department in which the student is majoring.

5. By State law, one of the rquirements for a diploma or certificate from schools supported by the state of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by:

 a. Examinations — Students may take either the relevant CLEP, SAT Achievement, or Advanced Placement test (making their own arrangements).

 b. Credit in the following — for U.S. and Georgia Constitution: Political Science 113; for U.S. and Georgia History: History 251 or 252 or any upper division course in U.S. History.

6. To qualify for the baccalaureate degree, a student must earn at Armstrong at least 45 quarter hours of credit applicable toward the degree, and he must complete successfully at Armstrong a majority of the credits required in his major field of study. Additionally, the student must complete successfully at Armstrong a majority of the upper division credits required in his major field of study. For the Associate Degree, the student must complete at least 45 quarter hours of course work at Armstrong State College.

7. For graduation the student must earn an over-all average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine the number of honor points assigned for graduation. Additionally, the student must earn a grade-point average of 2.0 or better on each of the following:

 a. all work at Armstrong

 b. all courses in the major field.

8. To qualify for a second baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and, of course, meet all qualitative requirements for the degree.

9. Before a degree will be conferred upon a student by Armstrong State College he must pay all fees and must submit to the Registrar his completed Application for Graduation two quarters before graduation. A candidate for a degree, unless excused in writing by the President, Vice President, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

10. Each student must successfully complete the Regents Examination and must take an Exit Examination in his major field as requirements for graduation.

COURSE AND STUDY LOAD

The normal course load for a full-time student is 15-18 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

A full-time student is defined as one who is registered for 12 or more quarter hours. A part-time student is one registered for less than 12 quarter hours.

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation per week for each 5 quarter hour course.

CLASSIFICATION OF STUDENTS

A student who has earned 45 quarter hours of credit will be classified as a sophomore; 90 quarter hours of credit, as a junior; 135 quarter hours of credit, as a senior.

PERMISSION FOR OVERLOAD OR COURSES AT ANOTHER COLLEGE

Permission to enroll for more than 18 quarter hours will be granted by the Registrar to a student:

1. with an average grade of "B" for the preceding quarter, *or*

2. with an overall gradepoint average of 3.0, *or*

3. requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

A student who is on academic probation will not be permitted to register for more than 18 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Vice President.

A student enrolled at Armstrong who at the same time takes course for credit at another college may not transfer such credit to Armstrong, unless he has obtained in advance the written permission of the Vice President of Armstrong State College to register for those courses.

REPORTS AND GRADES

The faculty feels that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar. Instead, the students themselves receive these reports and are expected to contact their advisors whenever their work is unsatisfactory. Grade reports are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an advisor; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Armstrong State College awards the following grades which are used in the determination of a student's grade-point average:

Grade		*Honor Points*
A	(excellent)	4.0
B	(good)	3.0
C	(satisfactory)	2.0
D	(passing)	1.0
F	(failing)	0.0
WF	(withdrew, failing)	0.0

The student's cumulative grade-point average recorded on his permanent record card is determined by dividing the total honor points earned by the total hours attempted. The student's adjusted grade-point average is determined by dividing the total honor points earned by the total hours attempted, with hours and honor points for repeated courses not duplicated in the calculation.

Armstrong State College also uses the following symbols for grade reports. These symbols carry no honor points and are not included in the determination of either the cumulative grade-point average or the adjusted grade-point average.

Symbol	*Explanation*
W	withdrew, no penalty
I	incomplete
S	satisfactory
U	unsatisfactory
V	audit
K	credit by examination
P	passing, academic skills

A student who receives a report of "I" for a course should consult his instructor at once and arrange to complete the requirements of the course. An "I" which has not been removed by the middle of the succeeding quarter is automatically changed to an "F" unless the instructor approves an extension in writing addressed to the Registrar. The "S" and "U" symbols may be utilized for completion of degree requirements other than academic course work (such as student teaching, clinical practicum, etc.). Withdrawal without penalty (W) is not permitted after the quarterly dates listed in the "Academic Calendar" in this *Bulletin* as the dates that mid-term reports are due. Exceptions to this policy must be approved by the Vice President and will be approved only on the basis of hardship.

HONORS

Dean's List: Students enrolled for a least ten quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, published quarterly. Only course work taken at Armstrong will be used in the computation of Dean's List honors.

Cum Laude: Those students graduating with an honor point average of 3.2 through 3.499 will be graduated *cum laude.*

Magna Cum Laude: Those students graduating with an honor point average of 3.5 through 3.799 will be graduated *magna cum laude.*

Summa Cum Laude: Those students graduating with an honor point average of 3.8 through 4.0 will be graduated *summa cum laude.*

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation.

ATTENDANCE

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course are left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "F" if he thinks that the

excessive absence prevents that student from satisfactorily fulfilling his responsiblities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "F" depending on the student's status at the time he was dropped. The instructor will be responsible for informing each of his classes at its first meeting what constitutes excessive absence in that particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

PHYSICAL EDUCATION PROGRAM

All students who are enrolled for ten quarter hours or more on the day schedule are required to complete six hours of physical education, of which P.E. 117 (Basic Health) and P.E. 103 (Elementary Swimming) *or* P.E. 108 (Intermediate Swimming) are required. During his freshman year, a student should take P.E.117 and 103 *or* 108. During their sophomore year, students may elect any three Physical Education activity courses with the last two numbers being 01 to 09.

Any student who holds a valid senior life saving certificate and/or a valid water safety instructor certificate and/or passes the Armstrong swimming test may be exempted from the required swimming course (P.E. 103 *or* 108).

A student graduating with an Associate Degree must complete three credit hours of Physical Education.

A student who has completed at least six months of military service is required to take only four hours in physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone who is beyond the age of 25 at the time of initial matriculation, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

ACADEMIC PROBATION AND DISMISSAL

A student who maintains or exceeds the gradepoint average indicated below for quarter hours attempted will be considered in good standing.

When a student first falls below the GPA required for the appropriate accumulation of hours, he will be placed on academic warning. If he does not raise his GPA to a satisfactory level the next quarter, he will be placed on academic probation.

Quarter Hours Attempted at Armstrong and Elsewhere	*Required Adjusted GPA*
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-120	1.9
121-135 and over	2.0

A student on academic probation who raises his adjusted gradepoint average during the probationary quarter to equal to or exceed the appropriate figure in the foregoing table will be removed from academic probation. One who fails to achieve the required adjusted average, but who does earn an average of at least 2.0 during the probationary quarter, will be continued on probation for the next quarter of attendance. The College places no restrictions on the extracurricular activities of students who are placed on academic probation. Any student on academic probation should plan both his curricular and extracurricular activities with care, consulting with his advisor in so doing.

The student on academic probation who does not achieve the required adjusted average or who does not earn an average of at least 2.0 for the quarter in which he is on probation will be suspended from the college for one quarter. A student who is on academic suspension for the first time, however, has the option of attending summer school without having to appeal the suspension. A third academic suspension is final.

A student re-entering the college after academic suspension is placed on probation and must meet the requirements listed above.

A student suspended for academic reasons may appeal by letter to the Committee on Academic Standing to be delivered to the Office of Student Affairs. Such a letter of appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter should be received no later than 9 a.m. on registration day. No action will be taken on appeals received later than 12:00 noon on the day following registration day. The action of the Committee on Academic Standing is final.

REPEATING COURSES

Any course for which a grade of "D" or "F" has been recorded may be repeated with the last grade to be counted in the adjusted grade-point average. A student who repeats any such courses should complete a "Notice of Course Repetition" form available in the Office of the Registrar.

DROPPING COURSES

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Office of the Registrar. The notice must be signed by the instructor of the course being dropped and returned by the student to the Registrar's Office.

A student who drops a course not more than seven class days after the course begins will receive no grade for the course. A student who drops a course after the first seven class days and on or before the quarterly dates listed in the "Academic Calendar" in this *Bulletin* for mid-term reports will receive a "W" or a "WF" depending on his status in the course. *A student may not drop a course without penalty following the quarterly dates listed in the "Academic Calendar" for mid-term reports.*

WITHDRAWING FROM COLLEGE

Any student who finds it necessary to withdraw from college must begin the process in the Office of Student Affairs. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the withdrawal form.

AUDITING

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. During the registration process the student should request a special "audit" course card. (Policy for some courses forbids "auditing.") A student may not change from audit to credit status or from credit to audit status after he has completed the process of registration for a course. A student who audits a course will have a "V" recorded for that course on his transcript. The regular schedule of fees applies to auditors.

REGENTS EXAMINATION

University System policy requires that all students successfully complete tests of writing skills and reading comprehension as a requirement for graduation. A student will be notified by grade report to take the tests in the quarter immediately following that in which he completes his 55th hour as computed in cumulative hours earned. In order to insure adequate preparation for the tests, freshmen are expected to begin the sequence of required English composition courses no later than in their second quarter of attendance. Transfer students who have completed more than 55 quarter hours and who have not successfully completed the tests are responsible for meeting this requirement at the earliest possible time.

Students are required to schedule their taking of the Regents Examination in the Counseling and Placement Office no later than two weeks prior to the administration of the examination. Dates for the Regents Examination are printed in the "Academic Calendar" section of this *Bulletin*.

Students who successfully complete the Regents Examination will be so notified on their grade reports for the quarter in which the examination was taken. Students who do not successfully complete the examination will be notified in writing concerning any remediation required before they will be allowed to repeat the examination.

Any student who neglects to take the Regents Examination when first notified to do so will be prohibited from pre-registering at the College for a subsequent quarter. If the student neglects to take the Examination after a second notification to do so, he will be placed on academic suspension until such time as he has taken the Examination.

EXIT EXAMINATIONS

Each student who receives a degree from Armstrong State College at the Associate or Baccalaureate degree level is required to take an Exit Examination in his/her major area. This Exit Examination is comprehensive in nature. Please see the appropriate Department Head for further information concerning these Exit Examinations. Students in the Associate in Arts degree program should seek information in the Office of the Registrar.

HONOR CODE

The Honor Code at Armstrong State college is dedicated to the proposition that the protection of the grading system is in the interest of the student community. The Student Court is an institutional means to assure that the student community shall have primary disposition of infractions of the Honor Code and that students accused of such infractions shall enjoy those procedural guarantees traditionally considered essential to fair and impartial hearing, the foremost of which is the presumption of innocence until guilt be established beyond a resonable doubt.

I. Responsibilities of Students:

All students must agree to abide by the rules of the Honor Code. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration: "I have read the Honor Code of Armstrong State College. I understand the Code and agree that, as a student at Armstrong, I must comply with these requirements." This statement shall be printed on the application for admission to the college and must be signed by the student. The Honor Code shall be printed in the official bulletin and the Student Handbook.

It will be the responsibility of the Student Court or its designated representative to conduct an orientation program at the beginning

of each quarter for all newly entering students to explain fully the Honor Code and to allow full discussion of its requirements.

Any student desiring assistance with any matter related to the Honor Code is invited to seek assistance in the Office of Student Affairs.

II. Violations of the Honor Code:

Violations of the Honor Code may be of two kinds: (a) general and (b) those related to the peculiarities of specific course-related problems and to the understanding of individual instructors. Any instructor whose conception of cheating would tend to enlarge or contract the general regulations defining cheating must explicitly notify the affected students of the qualifications to the general regulations which he wishes to stipulate. The following will be considered general violations of the Honor Code.

1. Giving or receiving any unauthorized help on any assignment, test or paper. The meaning of "unauthorized help" shall be made clear by the instructor of each class.
2. Stealing when related to cheating.
3. Plagiarizing.
4. Giving perjured testimony before the Student Court.
5. Suborning, attempting to suborn, or intimidating witnesses.
6. Failing to report a suspected violation of the Honor Code.

III. Reporting Violations of the Honor Code:

Anyone wishing to report a violation may come to the Office of Student Affairs for assistance in contacting members of the Student Court.

A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Student Court.

B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways.

1. He may tell the person thought to be guilty to report himself to a member of the Student Court no later than the end of the next school day. After this designated time, the person who is aware of the violation must inform a member of the Student Court so that the Student Court may contact the accused person if he has not already reported himself.
2. He may report the suspected violation directly to a member of the Student Court without informing the accused.

IV. The procedural rights of the students accused of violations of the Honor Code:

The essence of the procedural rights of an accused is the right to a fair and impartial hearing and the right to be presumed innocent until proven guilty. Specific rights are as follows:

1. The accused will be notified in writing by the Student Court or its designated representative of the nature and details of the offense with which he is charged along with the names of his accusers and the principal witnesses to be brought against him. This notification shall occur no less than three days prior to the date of the hearing.

2. The accused has the right to counsel of his own choosing. Such counsel will not participate directly in the proceedings except to advise his client. It is expected that such counsel will be drawn from the college community.

3. The accused and the person bringing the charges shall be afforded an opportunity to present witnesses and documentary or other evidence. The accused and any individual bringing the charges shall have the right to cross examine all witnesses and may, where the witnesses cannot appear because of illness or other cause acceptable to the Court, present the sworn statement of the witnesses. The Court shall not be bound by formal rules governing the presentation of evidence, and it may consider any evidence presented which is of probative value in the case.

4. The accused may not be made to bear witness against himself. The Court may not take the refusal of the accused to testify as evidence of guilt, but this proviso does not give the accused immunity from a hearing or from recommendations reached in a hearing simply because the accused does not testify.

5. The accused shall have access to a complete audiotape of the hearing and to the record prepared by the secretary.

6. The substantive facts of a case may be re-opened for consideration upon initiation of the accused acting through normal appeal channels. The accused shall not be put in double jeopardy.

7. All witnesses will be sequestered from the hearing room during the course of a hearing. Witnesses may not discuss a pending case.

8. By prior agreement, the accused will be allowed such observers of the hearing as may be commensurate with the space available. Otherwise, in the interests of the right of privacy of the accused, hearings will be private, except that the College

may also have observers additional to the advisors to the Student Court.

V. The Honor Code Commission, The Student Court Selection Committee, The Student Court, and Advisers to the Court

A. Honor Code Commission

It shall be the purpose of the Honor Code Commission to administer the student academic honor code. The Commission will have the reponsibility for revising and updating the student academic honor code as needs arise. The Honor Code Commission shall consist of the President, Vice-President, and Secretary of the Student Government Association and the current President and Secretary of Student Court together with three faculty members appointed by the President of the College.

B. Student Court Selection Committee

The Student Court Selection committee will select members for the Student Court. The Student Court Selection Committee will consist of two faculty members from the Honor Code Commission, one of whom is the chairperson of that commission, two students from the Honor Code Commission, one of whom is a member of the Student Court, two faculty members from the Conduct Committee, one of whom is the chairperson of that committee, two students from the Conduct Committee, one of whom is a member of the Student Court, and the Dean of Students.

C. Student Court

1. The Student Court will be selected by the Student Court Selection Committee and will be composed of twelve students. Due consideration will be given to equitable apportionment of court members of the basis of academic class, race, and sex. Students on academic probation may not serve. All appointments will be issued and accepted in writing. Appointments will be made during Spring Quarter in time for newly elected members of the Court to assume their duties by May 1. Appointments will be made as needed to keep the Student Court staffed to do business on a reasonably prompt basis. These appointments may constitute permanent or temporary replacements as the Student Court Selection Committee deems necessary.

2. The Student Court will elect a President, Vice-President, and a Secretary from its membership. The President will preside at all meetings. The Vice-President will assume the duties of the President if the President is absent. The

Secretary will maintain written notes of all proceedings and audiotape records of all testimony, and will maintain exhibits of evidence which by their nature may reasonably be maintained in the Court files. A quorum of the Court shall consist of eight members. A two-thirds majority secret ballot vote is required to reach a finding of guilty. All other questions may be decided by a simple majority vote.

3. Constituency of the Student Court during the Summer Quarter shall include all appointed members in attendance, and others as shall be appointed to membership by the Student Court Selection Committee.

4. Student Court Members shall examine their consciences carefully to determine whether they can in good conscience serve on a panel hearing a particular case, and in the event that there is any doubt, whatsoever, such members shall excuse themselves from duty on the specific panel in question.

B. Advisers to the Court

1. An adviser and an associate adviser to the Student Court shall be appointed by the President of the College.

2. Ordinarily the adviser will serve in that office for one year only and usually will be succeeded in that position by the associate adviser. Therefore, after the initial appointments, only an associate adviser will ordinarily be appointed each year. The succession of an associate to the adviser position is deemed to occur on the last day of Spring Quarter. If, for any reason, the adviser is unable to complete his term, the associate adviser shall succeed to the office of adviser and another associate adviser shall be appointed by the above procedures. If, during the Summer Quarter, neither adviser is on campus, a temporary adviser will be appointed.

3. Duties of the adviser and the associate adviser: It shall be the duty of the adviser to consult with the Court and to offer advice to the President and members of the Court on substantive and procedural questions. The adviser, or the associate adviser in the event the adviser is unable to attend, shall be present at all meetings and hearings of the Court. The Adviser may not vote nor may he participate directly in the conduct of hearings before the Court except through the chairman, or acting chairman, of the Court. The adviser should be governed at all times

by the principle that a hearing before the student court is primarily a matter of student responsibility.

VI. Procedures and Penalties adopted by the Student Court:

The Student Court shall formulate its own bylaws governing internal organization and procedure. Such bylaws must be consistent with the Honor Code.

A. Hearings shall be called by the Court President to be held on a date not less than three (3) nor more than ten (10) class days after notice to the accused as provided in Section IV-2. Exceptions to these time requirements may be granted.

B. Upon reaching a finding of guilty, the Court shall make a recommendation to the Vice President of the College as to the administrative action it deems appropriate within the following limitations:

1. A minimum penalty shall be loss of assignment or test credit for the assignment or test for violations involving cheating as specified in Section II, subsections 1, 2, and 3. Additional penalties such as reprimands, suspension, or others may be recommended for any aspects of Section II.

2. Maximum penalty for a first offense of any type shall be suspension for a full calendar year.

3. Maximum penalty for a second offense may be suspension for three years.

C. Immediately following a hearing, the accused will be informed of the Court's finding, and its recommendation to the Vice President of the college. If the finding is guilty, the accused will be informed that the Court may re-open the case with the consent of the accused for good cause, within a three week period.

D. The Vice President of the College will inform all involved persons in writing of the action he has taken in view of Court recommendations. The Court Secretary will post public notice of the Vice President's action by case number without identifying the accused.

VII. Appeals of Findings and Penalties:

Should a student have cause to question the findings of the Court or the action of the Vice President of the College or both, he has the right to appeal. The channels of appeal are as follows:

A. Court findings and/or the administrative action of the Vice President of the College may be appealed within five days by writing the President of the College. Further appeal

procedures will conform to the appeal procedures of the College and of the *Policies of the Board of Regents*, University System of Georgia (a copy of these policies is available in the Library; see chapter on Students, section on appeals, page 165, 1969 edition).

VIII. Supervision of the Student Court:

As an institutional means of responding to reported infractions of the Honor Code, the Student Court is ultimately responsible to the President of the College.

Supervision of the Student Court will be accomplished ordinarily through the Dean of Student Affairs and the Advisors.

A. Dean of Student Affairs

In accordance with Article VI, Section F, of the College Statutes, the Dean of Student Affairs will provide general supervision of the Student Court and will provide other guidance or services as directed by the President of the College.

XI. Revision of the Honor code will require confirmation by majority vote of those faculty and student body members voting.



VII. DEGREE PROGRAMS AND GENERAL REQUIREMENTS

UNIVERSITY SYSTEM CORE CURRICULUM

Each unit in the University System of Georgia requires as a Core Curriculum for all baccalaureate degree programs the following minimum number of quarter hours in the major areas of study:

Areas of Study	*Mimimum Quarter Hours Required*
I. Humanities, including, but not limited to grammar and composition and literature	20
II. Mathematics and the natural sciences, including, but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences	20
III. Social Sciences, including, but not limited to, history and American government	20
IV. Courses appropriate to the major field of the individual student	30
TOTAL	90

In addition to the University System Core Curriculum requirements as outlined above, Armstrong State College requires six quarter hours in physical education as part of all baccalaureate degree programs.

ARMSTRONG STATE COLLEGE CORE CURRICULUM

The student in any bacalaureate degree program at Armstrong State College must complete the following specific Core Curriculum requirements. Consult the relevant departmental section for a complete statement of degree requirements for a specific program. Certain courses in the Core Curriculum may be exempted with credit awarded. See p. 35.

Quarter Hours

Area I. Humanities 20
- English 111, 112, 211
- One of the following courses:
 - Art 200, Art 271, Art 272, Art 273, Music 200, Philosophy 201, English 222

Area II. Mathematics and the Natural Sciences 20
- One of the following course sequences:
 - Mathematics 101, 103
 - Mathematics 101, 195
 - Mathematics 101, 220
 - Mathematics 101, 290
- One of the following course sequences:
 - Biology 101, 102
 - Chemistry 128, 129
 - Physics 211, 212
 - Physics 217, 218
 - Physical Science 121, 122

Area III. Social Sciences 20
- History 114, 115
- Political Science 113
- One course selected from:
 - Psychology 101, Sociology 201
 - Anthropology 201, Economics 201,
 - Criminal Justice 100

Area IV. Courses Appropriate to the Major Field 30

Biology: *Quarter Hours*
- Science and/or Mathematics electives (100-200 level)or
 - Foreign Language 101, 102 10
- Chemistry 128, 129 10
- Botany 203 5
- Zoology 204 5

Business Administration:
- B.A. 211, 212 10
- Economics 201 5
- B.A. 205 *or* B.A. 207 (*or* C.S.110 for Information Systems major) 5
- B.A. 215 5
- Mathematics 220 5

Business Education:

Psychology 101 5
Education 203 5
Economics 201 5
B.A. 205 *or* B.A. 207 5
B.A. 211, 212 10

**Chemistry:*

Physics 213 5
Chemistry 128, 129, 281 15
Mathematics 104, 201 10

Criminal Justice:

History 251 or 252 5
C.J. 100, 103, 201, 210 20
Psychology 101 *or* Sociology 201 5

Dental Hygiene Education:

Associate degree required for admission to upper two-year curriculum.

Economics:

Foreign Language 101, 102, 103, *or*
Mathematics 104, 201, 202, ... 15
Mathematics 220 5
Economics 201 5
B.A. 205 *or* B.A 207 5

Elementary Education:

Psychology 101 5
Education 203 5
Fifteen quarter hours to be selected from:
Geography 111; Chemistry, Physics, or
Physical Science (100-200 level) 15
Drama/Speech 228 5

English:

Foreign Language 101, 102, 103, 201 20
Electives from Art 200, 271, 272, 273;
Music 200; Philosophy 201; English 222 20

*In addition, a foreign language sequence is recommended.

History:

Foreign Language 101, 102 10
History 251, 252 10
Electives to be chosen from:
Anthropology 201; Economics 201,
Geography 111, Mathematics 220,
Psychology 101, Sociology 201,
Social Work 250 10

Mathematical Sciences:

Mathematics 104, 201, 202, 203 20
Computer Science 110 5
History 251 or 252 5

Medical Technology:

Physics 211, 212, 213 15
Chemistry 128, 129, 281 15

**Music:*

Music Theory 111, 112, 113, 221, 212, 213 18
Applied Music 140, 240 8
Music 250 *or* Music 254 4

Music Education:

Psychology 101 5
Education 203 5
Elective from: Art 200, 271, 272, 273; Music 200 5
Fifteen quarter hours to be selected from:
Music Theory 111, 112, 113, 211, 212, 213;
Applied Music 140, 240 15

Nursing:

Zoology 208 5
Biology 210 5
Chemistry 201 5
Nursing 100, 101, 102 15

Physical Education:

Drama/Speech 228 5
Education 203 5
P.E. 218 5
P.E. 228, 229 10
Psychology 101 5

* In addition, a foreign language sequence is recommended.

Political Science:

Foreign Language 101, 102, 103 *or*
Computer Science 110, 231, 241 15
History 251 or 252 5
Electives to be chosen from:
Anthropology 201, Criminal Justice 100,
Economics 201, Geography 111,
History 251 or 252, Psychology 101,
Sociology 201, Social Work 250 10

**Psychology:*

Mathematics 220 5
Additional Lab Science Sequence 10
Electives from: Biology 101, 102; Anthropology 201;
Sociology 201; Philosophy 201 10
Psychology 101 5

Social Work:

Foreign Language 101, 102, 103 *or*
Philosophy 201, Anthropology 201 and
Social Science elective (100-200 level) 15
Sociology 201 5
History 252 5
Social Work 250 5

Speech Correction:

Physical Science 121 5
Education 203 5
Mental Health Work 102 5
Special Education 205, 225, 230 15

Area V. Physical Education Requirements (All Programs) 6
P.E. 103 or 108 and P.E. 117
Three of the following courses:
P.E. 101, 102, 104, 105, 106, 107
200, 201, 202, 203, 205, 206, 207, 208, 209

TOTAL . . . 96

* In addition, a foreign language sequence is recommended.

The student should complete all Core Curriculum requirements during his freshman and sophomore years. *ALL STUDENTS ARE REMINDED THAT SUCCESSFUL COMPLETION OF THE REGENTS EXAMINATION IS A REQUIREMENT FOR GRADUATION FROM ARMSTRONG STATE COLLEGE. THEY ARE ALSO REMINDED THAT THE TAKING OF AN EXIT EXAMINATION IN THEIR MAJOR AREA IS ALSO A REQUIREMENT FOR GRADUATION. IN PROGRAMS REQUIRING A FOREIGN LANGUAGE, DEGREE REQUIREMENTS MAY INCLUDE LANGUAGE AT A LEVEL BEYOND THAT LISTED IN AREA IV.*

DIAGNOSTIC TESTS IN ENGLISH AND MATHEMATICS

The College reserves the right to place entering students in appropriate English and Mathematics courses. Diagnostic tests are administered for this purpose. Each student must take the diagnostic test in mathematics before he may register for Mathematics 101 and must take the diagnostic test in English before he may register for English 191, 110, or 111. The dates scheduled for administration of these diagnostic tests are listed in the college Calendar.

STATE REQUIREMENTS IN HISTORY AND GOVERNMENT

By state law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and in Georgia History and Government. A student at Armstrong State College may demonstrate such proficiency by successfully completing examinations for which credit will be awarded. See "Academic Regulations" section in the *Bulletin*, or request further information from the Head of the Department of History and Political Science.

REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Requirements for each major program leading to the degree of Bachelor of Arts with a major in English, History, Music, Political Science, Psychology, Social Work, or Economics, or to the degree of Bachelor of Science with a major in Biology, Chemistry, Criminal Justice, or Mathematical Sciences are described in the appropriate departmental listing. For the B.A. and B.S. degrees, a minimum of 185 quarter hours, exclusive of the required physical education courses, is required for graduation.

Each student in one of these major programs must complete the 96-hour core curriculum requirement as listed above.

The student will not be allowed to take senior division courses in his major field unless he has a minimum grade of "C" in all prerequisite courses in that field. No major program in a department will require more than 60 quarter hours at all levels in the major field; however, the department may recommend up to 70 quarter hours.

For its major program, a department will require from 15 to 30 quarter hours of specific courses or approved elective courses in related fields and may require language courses reaching the degree of proficiency specified by the department. Total requirements in the major and related fields may not exceed 85 quarter hours.

Each B.A. *or* B.S. degree program will include a minimum of 15 quarter hours of free electives.

REQUIREMENTS FOR ASSOCIATE DEGREES

Each associate degree program at Armstrong State College will include as part of its curriculum the following requirements: 1) English 111, 112; 2) History 251 or 252; 3) Political Science 113; 4) one course to be chosen from Areas I, II, or III of the Baccalaureate Core; 5) three credit hours of Physical Education. The student in an associate degree program is required to complete successfully the Regents Examination and to take an Exit Examination in his/her area of concentration.

TEACHER EDUCATION

All teacher education programs are approved by the National Council for the Accrditation of Teacher Education (NCATE) and by the Georgia State Department of Education. Upon verification by the College that the student has completed successfully an approved program, the student applies to the State Department of Education for the appropriate certificate. Armstrong State College offers the following approved Teacher Education programs:

Approved Programs

Elementary Education (Grades 1-8)
Speech Correction
Secondary Programs (Grades 7-12)
- Business Education (Comprehensive or Bookkeeping and Business Management)
- English
- Mathematics
- Science (Biology)
- Science (Chemistry)
- Social Studies (History)
- Social Studies (Political Science)
- Social Studies (Behavioral Sciences)

All Levels (Grades 1-12)
Music
Physical Education

The college also offers an Associate Library Media Specialist program which may constitute an area of concentration for elementary teachers and an endorsement on the certificate for secondary teachers. The program is also intended to create an interest in librarianship. The courses are Library Science 310, 320, 410, and 420 (20 quarter hours credit).

A student must complete the college approved program for certification within four years following his/her admission to the Teacher Education Program. In the event that the student does not complete his program in four years, he/she must meet the requirements of the program in effect at that time.

All students completing teacher education programs except those majoring in Speech Correction are required to take both the Common Examinations and the appropriate Teaching Area Examination of the National Teacher Examinations. Speech Correction majors must take the Common Examinations of the National Teachers Examinations and the Speech Pathology and Audiology Test of the Undergraduate Assessment Program. Students must submit the scores from these examinations to the Department of Education before the college can verify that an approved program has been completed. Additional information about these tests can be secured from the Office of the Dean of Student Affairs.

Academic Advisement

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the Department of Education for academic advisement. He should follow without deviation the approved program. Upon admission to teacher education, students will be assigned advisors as follows:

1. Elementary education and speech correction majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
2. Students pursuing secondary or all level programs will be assigned an advisor in the Department of Education to assist them concerning the professional sequence courses and certification requirements. In addition, students will have an advisor in the teaching field major to approve the courses in the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major. Each student *must* have his secondary teaching program approved in advance by both advisors. Special forms for this purpose are to be filed with each advisor and a copy given to the student.

All students pursuing a program leading toward certification by the Georgia State Department of Education as teachers must apply for admission to the Teacher Education Program at Armstrong State College. This application will normally be filed during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education.

1. Completion of at least 60 quarter hours of college credit with a 2.50 GPA and completion of Education 203 and English 111, 112, and 211 or their equivalents with a "C" or better.
2. Satisfactory completion of the Regents Examination.
3. Competence in oral and written expession.
4. Indication of desirable attitude, character, and teaching potential.

September Practicum

The purpose of the September Practicum is to provide an opportunity for future teachers (1) to learn what teachers do at the beginning of a new school team, (2) to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career, and (3) to become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September) and should be scheduled during the student's junior or senior year. No credit is given for the September Practicum, but it is a *requirement* in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Director of Professional Laboratory Experiences in the Department of Education.

Student Teaching

Student Teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Director of Professional Laboratory Experiences during the first week of the quarter preceding student teaching. While student teaching, the student is required to adhere to established policies and procedures of the

cooperating school system in addition to those policies and procedures established by the college and the Department of Education.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

1. Be admitted to the Teacher Education Program.
2. Have at least senior status. All teaching field courses will normally have been completed.
3. Have completed the required professional sequence courses with a grade of "C" or higher. Elementary majors must make a grade of "C" or higher on all specialized content courses. Students in Speech Correction must have completed all of the 300 level sequence courses in Special Education with a grade of "C" or better.
4. Have a 2.5 average on all courses attempted, and "C" or better in all courses acceptable toward the teaching field, concentration, and related elective.
5. Have satisfactorily completed the related professional laboratory experiences including the "September Practicum."
6. Heve satisfactorily completed the Media Competency Examination.
7. Be recommended by two academic professors and two members of the Department of Education, one of whom must be the student's advisor.
8. Be approved by the Head of the Department of Education.
9. Students in elementary education must have completed at least four of the specialized content courses, including the Teaching of Reading, with grades of "C" or better.

A student will not be permitted to take additional courses during student teaching. Student teachers are not permitted to teach in a school in which their children are enrolled.

Programs of Study

Please see appropriate departmental listings for programs of study for certification in the various teaching areas.

BUSINESS ADMINISTRATION

Associate in Arts in Secretarial Studies

This two-year program is designed to meet the needs of students who wish to qualify for secretarial positions after completing the program. An Associate in Arts degree is awarded upon completion of the program. See departmental listing for degree requirements.

Bachelor of Arts
with a Major in Economics

Armstrong State College offers a four-year program leading to a Bachelor of Arts degree with a major in Economics. This liberal arts program provides a good preparation for anyone who plans to work in industry, or pursue further professional education in business, economics, education, or law. See departmental listing for degree requirements.

Bachelor of Business Administration
with Concentrations in Accounting, Economics, Finance, Information Systems, Management and Management-Marketing

The Bachelor of Business Administration degree is offered with a choice of specialization. These programs are appropriate for students who wish a broad general education in business in addition to a concentration in one area. See departmental listing for degree requirements.

Bachelor of Business Administration
with Major in Business Education

This four-year program prepares teachers of high school business subjects such as bookkeeping and business management and/or secretarial skills such as typing, shorthand, office machines, and office procedures. See departmental listing for degree requirements.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

The Coordinator of this degree program is Dr. L.B. Davenport, Jr., Head of the Department of Biology. Armstrong State College cooperates with Memorial Hospital of Chatham County in awarding a Bachelor of Science Degree in Medical Technology. This program has been approved by the National Accrediting Agency for Clinical Laboratory Sciences.

After satisfactory completion of the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. Upon satisfactory completion of this work, the student will be awarded the degree of Bachelor of Science and will qualify for the examination given by the Registry of Medical Technologists.

BACHELOR OF ARTS IN SOCIAL WORK

Armstrong State college offers a four-year program leading to a Bachelor of Arts degree in Social Work which is designed to prepare students to assume positions in various social service agencies. This program is offered cooperatively with Savannah State College and makes use of an off-campus facility for various training experiences. Requirements for this degree are described in the departmental listing for the Department of Psychology and Sociology.

BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN PHYSICAL EDUCATION

Armstrong State College offers the Bachelor of Science in Education degree with a major in Physical Education. This specialized degree program is designed to prepare students for careers in the teaching of Physical Education. Requirements for the major program are described in the appropriate departmental listing.

BACHELOR OF MUSIC EDUCATION

Armstrong State College offers a four-year program leading to a Bachelor of Music Education degree designed for those students in Music who want to prepare for a career in teaching. Requirements for this degree are described in the department listing for the Department of Fine Arts.

NURSING

Associate in Science in Nursing

For the two-year program leading to the Associate in Science degree in Nursing, the student must complete the curriculum of 53 quarter hours in academic courses and 50-52 quarter hours of clinical courses as listed under the Department of Nursing. This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible for licensure to practice as registered nurses. The curriculum is approved by the Georgia Board of Nursing and is fully accredited by the National League for Nursing.

Bachelor of Science in Nursing

Armstrong State College offers an upper division undergraduate curriculum leading to the Bachelor of Science degree in Nursing for graduate registered nurses from associate degree or diploma nursing programs. The program is planned to build on the student's previously acquired professional knowledge and experience and is designed to prepare registered nurses for first-level leadership positions in nursing. Additional information relating to this degree program appears under the listing for the Department of Nursing.

DENTAL HYGIENE

Associate in Science in Dental Hygiene

For the two-year (seven quarters) program leading to the Associate in Science degree in Dental Hygiene, the student must complete a curriculum of 55 quarter hours in academic courses and 59 quarter hours in professional dental hygiene courses. The purpose of this program is to provide trained personnel in a rapidly growing and important health profession. Dental hygienists provide dental health services in private dental offices, civil service positions, industry, and in various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure. The curriculum is fully approved by the Commission on Accreditation of Dental and Dental Auxiliary Educational Programs of The American Dental Association.

Bachelor of Science in Dental Hygiene Education

A Bachelor of Science degree in Dental Hygiene Education can be earned by an additional two years (six quarters) of study. This curriculum of 93 quarter hours is designed to prepare dental hygienists for careers in teaching in schools of dental hygiene.

CRIMINAL JUSTICE

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. A strong liberal arts emphasis has been developed within the criminal justice program, enabling the student to prepare for new and demanding requirements in his profession. Specific courses in criminal justice are open to all students as electives. Students who plan to follow careers in the behavioral sciences, law, journalism, or special education may find courses in the criminal justice area both interesting and useful. Non-majors should consult with their faculty advisors before electing these courses.

Associate in Science in Criminal Justice

The curriculum for this program has been designed to lead to a two-year terminal degree, the Associate in Science in Criminal Justice, or to serve as the basic preparation for an upper two-year curriculum leading to the Bachelor of Science degree in Criminal Justice. For course requirements, see listing under the Department of Criminal Justice.

Bachelor of Science in Criminal Justice

The four-year curriculum for this degree program has been designed to provide the broadest possible liberal arts and professional training for students who are planning careers in the criminal justice area. The student who has earned the Associate in Science degree in Criminal Justice may transfer to the baccalaureate program with a minimum of difficulty. For specific course requirements, see listing under the Department of Criminal Justice.

ASSOCIATE IN ARTS*

For the two-year degree of Associate in Arts, a student must complete at least 45 quarter hours of course-work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

Quarter Hours

1. English 111, 112, 211, and one course selected from: 20
 Art 200, 271, 272, 273; Music 200; Philosophy 201; English 222
2. History 114 or 115 and History 251 or 252 10
3. One of the following two-course sequences: 10
 Biology 101, 102
 Chemistry 128, 129
 Physics 211, 212
 Physics 217, 218
 Physical Science 121, 122
4. Mathematics 101 and 103 *or* 195 *or* 220 *or* 290 10
5. Political Science 113 and one of the following courses: 10
 Anthropology 201, Criminal Justice 100,
 Economics 201,
 Psychology 101, Scoiology 201
6. Physical Education 3
 P.E. 103 *or* 108 and two activity courses
7. Concentration and/or Electives 30
 The concentration may be specified by a department from

* Certain courses may be exempted by examination with credit awarded. See pp. 35.

appropriate courses. If not, the student may select courses which are open to him.

8. Regents and Exit Examinations

TOTAL 93

If a student plans to continue work in the future in a baccalaureate degree program, he should select courses that will meet the listed requirements of that degree program.

COMPLETE LIST OF PROGRAMS — FOUR-YEAR DEGREES

1. Bachelor of Arts with a major in Economics.
2. Bachelor of Arts with a major in English.
3. Bachelor of Arts with a major in English and requirements for secondary certification
4. Bachelor of Arts with a concentration in Drama/Speech
5. Bachelor of Arts with a major in History.
6. Bachelor of Arts with a major in History and requirements for secondary certification.
7. Bachelor of Science with a major in the Mathematical Sciences.
8. Bachelor of Arts with a major in Music.
9. Bachelor of Arts with a major in Political Science.
10. Bachelor of Arts with a major in Political Science and requirements for secondary certification.
11. Bachelor of Arts with a major in Psychology.
12. Bachelor of Arts with a major in Psychology with a concentration in Mental Health Work.
13. Bachelor of Arts in Psychology and requirements for secondary certification in Behavioral Science.
14. Bachelor of Arts with a major in Social Work.
15. Bachelor of Science with a major in Biology.
16. Bachelor of Science with a major in Biology and requirements for secondary certification.
17. Bachelor of Science with a major in Chemistry.
18. Bachelor of Science with a major in Chemistry and requirements for secondary certification.
19. Bachelor of Science with a major in Criminal Justice.
20. Bachelor of Business Administration with a concentration in Accounting.
21. Bachelor of Business Administration with a concentration in Business Education and requirements for secondary certification.
22. Bachelor of Business Administration with a concentration in Economics.
23. Bachelor of Business Administration with a concentration in Finance.

24. Bachelor of Business Administration with a concentration in Information Systems.
25. Bachelor of Business Administration with, a concentration in Management.
26. Bachelor of Business Administration with a concentration in Management-Marketing.
27. Bachelor of Science in Education with a major in Physical Education.
28. Bachelor of Science in Education with a major in Speech Correction. (to be deactivated; see listing under Department of Education.)
29. Bachelor of Science in Dental Hygiene Education.
30. Bachelor of Science in Elementary Education.
31. Bachelor of Science in Nursing.
32. Bachelor of Science in Medical Technology.
33. Bachelor of Music Education.
34. Associate in Arts.
35. Associate in Arts with a concentration in Art.
36. Associate in Science in Nursing.
37. Associate in Arts in Secretarial Studies.
38. Associate in Science in Criminal Justice.
39. Associate in Science in Dental Hygiene.





VIII. DEPARTMENTAL COURSE OFFERINGS AND REQUIREMENTS FOR MAJORS

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Armstrong State College reserves the right to (1) withdraw any course for which fewer than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

After each course name, there are three numbers in parenthesis. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Biology 101 — Principles of Biology (4-3-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299, for the sophomore level; courses numbered 300 to 399, for the junior level; courses numbered 400-499, for the senior level. Courses numbered 0-99 carry institutional credit only and may not be applied to a degree program.

ACADEMIC SKILLS LABORATORY

Associate Professor John R. Hansen, Head: Assistant Professors Brown, Cottrell, Dandy, Harris, Padgett, and Summerville; Instructor Darken.

The Academic Skills Laboratory provides an opportunity for students to remove academic deficiencies in English, Mathematics, and Reading which might otherwise prevent their completing college work successfully. Institutional credit *only* is awarded for each course offered in the department. This credit does not apply to the requirements for a degree program or to the requirements for graduation from Armstrong State College.

Academic Skills Laboratory courses receive students from the following four sources:

1. A conditionally admitted student must enroll in those Academic Skills Laboratory courses appropriate to the removal of his specific areas of weakness as indicated by the results of the testing programs through which the student received conditional admittance status. To insure realistic class scheduling, the conditionally admitted student can enroll only in courses approved by the head of the Academic Skills Laboratory until such time as the student achieves full admission status.

2. The Department of Languages and Literature and the Department of Mathematics and Computer Science may place any student, on the basis of the student's performance on the English Diagnostic

Test or the Mathematics Diagnostic Test, in appropriate Academic Skills Laboratory courses.

3. Any student may be placed in any Academic Skills Laboratory courses on the basis of an unsatisfactory performance on the Regents Examination.

4. Any student may voluntarily enroll in any Academic Skills Laboratory course.

NOTICE: Veterans and others entitled to Veterans Administration Educational Benefits may be certified only for a total of 45 credit hours in Academic Skills courses. Only 15 hours may be attempted in each of the basic skills of English, Mathematics, and Reading.

Course Offerings

ENGLISH 99—Fundamentals of Composition. (5-0-5). Offered each quarter.

This is the study and practice of techniques of paragraph structure. Students learn to write clearly, logically, coherently, and correctly.

MATHEMATICS 98—Review of Arithmetic. (5-0-5). Offered each quarter.

Emphasis is placed upon computation involving fractions, decimals, and percentage.

MATHEMATICS 99—Basic Mathematics. (5-0-5). Offered each quarter.

Topics include real number arithmetic, polynomial expressions, and, linear and quadratic equations.

READING 98—Reading Skills. (5-0-5). Offered each quarter. Not open to students having credit for Reading 99.

This course is appropriate for conditionally admitted students and other students experiencing serious difficulty in reading. Word attack skills, comprehension skills, and vocabulary building are stressed.

READING 99—Developing Reading Maturity. (5-0-5). Offered on demand.

This course is appropriate for students preparing for the Regents' Examination and for students experiencing moderate difficulty in reading. Comprehension skills, vocabulary enrichment, test-taking strategies, and reading fluency are stressed.

ANTHROPOLOGY

(See listing under Department of Psychology and Sociology.)

ART

(See listing under Department of Fine Arts.)

ASTRONOMY

(See listing under Department of Chemistry and Physics.)

DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., Head; Professor Thorne; Associate Professor Pingel; Assistant Professors Beumer, Brower, and Guillou; Instructor Restivo; Teaching Associate Dixon.

The Major in Biology

The major in biology consists of Biology 101, 102, Botany 203, Zoology 204, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. The majority of the courses in the major numbered 300 or above must be taken in the Biology Department at Armstrong State College.

In addition, biology majors must complete elementary statistics and the course sequence in organic chemistry (15 quarter hours). The course in general college physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Each student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 480; and Botany 410 or Zoology 410. If credit for any of these three courses is transferred to Armstrong from another college, the department may require that it be validated by examination.

To be admitted to courses in biology above the freshman level (those numbered 200 or above), the student must have completed the prerequisites for each with at least a grade of "C" for each prerequisite. To be eligible for a B.S. degree in biology, the student must have an average of at least "C" for all upper division courses (those numbered 300 or above) in biology.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examinations for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these tests may be made through the office of the Dean of Student Affairs.

In order to receive Core Curriculum credits for the biology laboratory science sequence by taking biology in the Savannah State-Armstrong exchange program, a student must take the ENTIRE sequence of ten quarter hours either at Armstrong State college or at Savannah State College.

The student completing the major in Biology may concurrently complete secondary teaching certification requirements.

Program for the Degree
Bachelor of Science with a Major in Biology

	Quarter Hours
A. General Requirements*	75
1. English 111,112,211 and one course selected from: English 222; Art 200, 271, 272, 273; Music 200; Philosphy 201	20
2. History 114, 115	10
3. History 251 or 252	5
4. Political Science 113	5
5. One of the following: Economics 201; Psychology 101; Sociology 201; Criminal Justice 100	5
6. Mathematics 101 (or 103 or 104 if placement examination allows) and 220	10
7. Biology 101, 102; Botany 203**; Zoology 204**	20
B. Courses in Major Field	40
Biology 370, 480	10
Botany 410 or Zoology 410	5
Additional Courses (junior-senior level)	25
C. Related Fields	25
Chemistry 128, 129	10
Chemistry 341, 342, 343	15
D. Electives (Physics 211, 212, 213 and a foreign language sequence strongly recommended)	45
E. Physical Education	6
Physical Education 117 and 103 or 108	3
Physical Education Activities Courses	3
F. Regents and Exit Examinations	
TOTAL	191

The student completing the major in Biology may concurrently complete secondary teaching certification requirements by completing the following program of studies.

Program for Secondary School Teachers of Science
with a Major in Biology

	Quarter Hours
A. General Requirements*	75
1. English 111, 112, 211 and one course selected from: Art 200, 290, 291; Music 200; Philogophy 201; English 222	20
2. History 114, 115	10
3. History 251 or 252	5
4. Psychology 101 and one of the following courses: Economics 201 Political Science 113 Sociology 201	10
5. Mathematics 101 (*or* 103 *or* 104, if placement examination allows); 220	10
6. The following courses: Biology 101, 102 Botany 203 and Zoology 204	20

* Certain courses may be exempted by examination with credit awarded. See p. 35.

** Should be completed before beginning upper division courses.

B. Courses in Major Field 40
Students must complete the requirements for a major including Biology 370, 480; Botany 410 or Zoology 410

C. Courses in Other Sciences 35
Chemistry 128, 129, 341, 342, 343 25
Physics 211 (Mathematics 103 is prerequisite); 212 10

D. Physical Education 6
Physical Education 103, 117 3
Three courses selected from: 3
P.E. 101, 102, 104, 105, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209

E. Professional Sequence 40
Education 203, 330, 444, 446, 447, 448 30
Psychology 301; Special Education 205 10

F. Regents and Exit Examinations

TOTAL 196

The Department also supervises the degree program in Medical Technology, requirements of which follow.

Program for Degree
*Bachelor of Science in Medical Technology**

Quarter Hours

1. English 111, 112, 211, and one course selected from: 20
Art 200, 271, 271, 273; Music 200; Philosophy 201; English 222
2. History 251 or 252 5
3. Political Science 113 5
4. History 114, 115 10
5. Mathematics 101 (*or* 103 *or* 104, if placement examination allows); 220 10
6. Psychology 101 or Sociology 201 5
7. Physics 211 (Mathematics 103 is prerequisite); 212; 213 15
8. Chemistry 128-129, 281, 341, 342, 343, and 380 35
9. Biology 101-102, Zoology 204, 356, Biology 351, 370, and Zoology 372 35
10. Physical Education 6
11. Internship in Clinical Medical Technology 45
12. Regents and Exit Examinations

TOTAL 191

Course Offerings

BIOLOGY 101—Principles of Biology. (4-3-5). Offered each quarter. Prerequisite: none.

The cell; structure and function of flowering plants; genetics.

BIOLOGY 102—Principles of Biology. (4-3-5). Offered each quarter. Prerequisite: Biology 101.

Structure and function of animals; development; ecology; evolution.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

BIOLOGY 210—Micro-organisms and Disease. (3-4-5). Winter. Prerequisites: Chemistry 201 and Zoology 209.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and importance to public health of representative bacteria, fungi, viruses, and protozoa are considered. Credit for this course may not be applied toward a major in biology.

BIOLOGY 310—Man and the Environment. (5-0-5). Prerequisite: Completion of 75 quarter hours credit in college courses.

Consideration of the interactions between humans and the support systems of the earth which are essential to their existence. Credit for this course may not be applied toward a major in biology.

BIOLOGY 351—Bacteriology. (3-4-5). Fall. Prerequisites: 10 hours of biological science, Chemistry 128-129.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

BIOLOGY 352—Medical Microbiology. (3-4-5). Prerequisite: Biology 351 and permission of the instructor.

A comprehensive study of the disease-causing microbes in terms of their diagnosis, pathology, and epidemiology.

BIOLOGY 354—Morphologic Haematology. (3-4-5). Prerequisites: Biology 102 and Chemistry 129.

Cytology of normal and pathologic human blood and bone narrow with emphasis upon antigenic determination in blood banking.

BIOLOGY 358—Histological Technique. (0-10-5). Winter. Prerequisites: Biology 101, 102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

BIOLOGY 370—Genetics. (3-4-5). Winter. Prerequisites: Biology 101, 102; Chemistry 128, 129; junior status recommended.

An introduction to the principles of biological inheritance.

BIOLOGY 410—Cellular Physiology. (3-4-5). Offered on demand. Prerequisites: At least third quarter junior status; two upper division courses in biology; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

BIOLOGY 440—Cytoloty. (2-6-5). Summer. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

BIOLOGY 450—Evolution. (5-0-5). Winter. Prerequisite: major in biology (at least 15 qtr. hrs. credit in upper division courses).

Modern concepts in organic evolution.

BIOLOGY 480—General Ecology. (3-4-5). Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

BIOLOGY 490—Problems in Biology. (1-5 hours credit). Offered on demand. Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation, and presentation of an acceptable, written report of results. Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance, in writing, by the faculty member to supervise the work and by the department head.

BOTANY 203—Survey of the Plant Kingdom. (3-4-5). Spring. Prerequisite: Biology 101 and 102.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

BOTANY 305—Identification of Flowering Plants. (0-10-5). Spring. Prerequisite: Botany 203.

Studies in the identification of plants with emphasis on local flora.

BOTANY 323—Plant Anatomy. (0-10-5). Fall. Prerequisite: Botany 203.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

BOTANY 410—Plant Physiology. (3-4-5). Spring. Prerequisites: Botany 203 and Organic Chemistry.

A survey of physiologic processes occurring in plants and the conditions which affect these processes.

BOTANY 425—Plant Morphology. (3-4-5). Offered on demand. Prerequisite: Botany 323.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

ENTOMOLOGY 301—Introductory Entomology. (3-4-5). Summer. Prerequisite: Zoology 204.

An introduction to the study of insects — their structure, identification and biology.

ZOOLOGY 204—Survey of the Animal Kingdom. (3-4-5). Winter, Summer. Prerequisite: Biology 101 and 102.

An evolutionary survey of the major animal phyla.

ZOOLOGY 208—Human Anatomy and Physiology I. (3-4-5). Fall.

A basic course considering the gross anatomy, histology, and physiology of the human organ systems. Intended primarily for majors in nursing and dental hygiene; credit for this course may not be applied toward a major in biology.

ZOOLOGY 209—Human Anatomy and Physiology II. (4-3-5). Spring. Prerequisites: Zoology 208 and Chemistry 201.

A continuation of the basic course considering the anatomy and physiology of the human. Credit may not be applied toward a major in biology.

ZOOLOGY 325—Advanced Invertebrate Zoology. (3-4-5). Spring. Prerequisite: Zoology 204.

A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

ZOOLOGY 355—Embryology. (3-4-5). Fall. Prerequisites: Zoology 204 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOOLOGY 356—Comparative Anatomy of the Vertebrates. (3-6-6). Winter. Prerequisite: Zoology 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOOLOGY 357—Animal Histology. (3-4-5). Offered on demand. Prerequisite: Zoology 204.

A study of the tissues and their organization into organs and organ systems in animals.

ZOOLOGY 372—Parasitology. (3-4-5). Fall. Prerequisite: Zoology 204.

A comparative study of the internal and external parasites of man and other animals.

ZOOLOGY 410—General Vertebrate Physiology. (3-4-5). Fall. Prerequisites: Zoology 204 and Organic Chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 425—Marine Invertebrate Zoology. (2-6-5). Summer. Prerequisite: Zoology 325, or permission of instructor and department head.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOOLOGY 429—Endocrinology. (4-4-5). Offered on demand. Prerequisites: Zoology 410 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOOLOGY 435—Comparative Physiology. (3-4-5). Offered on demand. Prerequisites: Zoology 204 and Organic Chemistry.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

BOTANY

(See listing under department of Biology.)

DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Eason, Head; Professors Bhatia, Hall, Richards; Professor Emeritus Davis; Associate Professors LaBurtis, McCarthy and Morgan; Assistant Professors Alban, Alexander, Chambless, DeCastro, Jankowski, Jensen and Lamb.

The Department offers a two-year secretarial Studies degree program and two four-year degree programs: The Bachelor of Arts degree with a major in economics and the Bachelor of Business Administration degree with concentrations in accounting, business education, economics, finance, information systems, management and management-marketing.

The Bachelor of Arts degree with a major in economics is appropriate for the student who wishes a broad liberal arts program with emphasis on understanding the concepts underlying the working of economic systems. The program provides a good preparation for anyone who plans to work in industry, especially banking, insurance, or investments. It also provides excellent preparation for positions in government, or further professional education in business, economics, education, or law. This program requires proficiency in a foreign language through the 201 level or completion of the calculus sequence.

The Bachelor of Business Administration degree with a concentration in business education is designed to prepare teachers of high school business subjects, such as bookeeping and business management, and/or secretarial skills, such as typing, shorthand, office machines, and office procedures.

The programs leading to the degree of Bachelor of Business Administration with a concentration in accounting, economics, finance, information systems, management, or management-marketing require, in addition to the general college core requirements, a common business core of eleven courses, and a major concentration of six courses in the respective major

field. These programs are most appropriate for students who wish a broad general education in business and economics and, in addition, a significant amount of specialized background in a single area to enhance their prospects for immediate employment in industry or government.

Students in all programs should be familiar with general degree requirements as listed in the "Degree Programs" section of this bulletin, and should satisfy the college core requirements during the Freshman and Sophomore years. No student will be allowed to take upper division courses in his major unless he has a minimum gpa of 2.0 in all prerequisite Courses. An average of at least 2.0 in his major concentration courses is a requirement for graduation, and college academic regulations, stated elsewhere in this bulletin, impose certain additional degree requirements.

The Department of Business Administration considers the core curriculum required sequences in English, Mathematics, Economics and Accounting as basic to the structure of its degree programs. Therefore, no student will be permitted to enroll in a 300 or 400 level Business Administration or Economics course without the expressed permission of the Head of the Department of Business Administration unless he has successfully completed those required sequences appropriate to his degree program.

Program for the Degree
*Associate in Arts in Secretarial Studies**

	Quarter Hours
1. English 111, 112	10
2. Mathematics 101	5
3. Economics 201 and B.A. 207	10
4. Political Science 113 and History 251 or 252	10
5. Physical Education 103 and 117, and three of the following: 101, 102, 104, 105, 106, 107, 200, 202, 203, 205, 206, 207, 208, 209	6
6. Business Administration 200, 203, 205, 211, 215	23
7. Secretarial Studies 104**, 105, 106, 111**, 112, 113, 114, 213, 214	35
8. Regents and Exit Examinations	
TOTAL	92-99

* Certain courses may be exempted by examination without credit awarded. See p. 35.

** Students who have earned high school credit in a one-year course in typewriting and/or Gregg shorthand (or the college equivalent—one quarter or one semester) may not take for credit the beginning course in the subject in which this previous credit has been earned (Secretarial Studies 104, Secretarial Studies 111). These students hould begin in the typewriting and/or shorthand sequence with the intermediate course in the subject.

Program for Secondary School Teachers
of Business Education
(Comprehensive Certification)

	Quarter Hours
A. General Requirements*	85
1. English 111, 112, 211, 222	20
2. History 114, History 115	10
3. Economics 201 and B.A. 205 or 207	10
4. Political Science 113	5
5. Mathematics 101, 195, 220	15
6. Laboratory Science Sequence	10
7. Psychology 101	5
8. Two of the following courses:	10
Economics 326; History 251 or History 252 (required, unless exempted by examination); Sociology 201; Music 200; Art 200, 271, 272, 273 Philosophy 201	
B. Courses in Secretarial Skills	37-44
Secretarial Studies 104 (may be exempted), 105, 106, 111 (may be exempted), 112, 113, 114, 213, 214, and B.A. 203, 215	
C. Courses in Business Administration	25
B.A. 211, 212	10
Three of the following:	15
B.A. 307, 340, 360, 375; Economics 327	
D. Physical Education	6
Physical education 103 or 108 and 117	3
Three courses selected from:	3
Physical Education 101, 102, 104, 105, 106, 107, 200, 202, 203, 205, 206, 207, 208, 209	
E. Professional sequence	40
Education 203, 330, 338, 446, 447, 448	30
Psychology 301; Special Education 205	10
F. Regents and Exit Examinations	
TOTAL	193-200

Program for Secondary School Teachers
of Business Education
(Bookkeeping and Business Management)

	Quarter Hours
A. General Requirements*	85
1. English 111, 112, 211, 222	20
2. History 114, 115	10
3. Economics 201 and B.A. 205 or 207	10
4. Political Science 113	5
5. Mathematics 101, 195, 220	15
6. Laboratory Science Sequence	10
7. Psychology 101	5
8. Two of the following courses:	10
Economics 326; History 251 or History 252 (required, unless exempted by examination); Sociology 201; Music 200; Art 200, 271, 272, 273; Philosophy 201	

* Certain courses may be exempted by examination wittout credit awarded. See p. 35.

B. Courses in Secretarial Skills 19-22
Secretarial Studies 104 (may be exempted), 105, 106, 213, 214, B.A. 203

C. Courses in Business Administration 40
1. B.A. 221, 212, 215, 301, 307 25
2. Three of the following courses: 15
B.A. 302, 308, 340, 360, 375; Economics 327

D. Physical Education 6
Physical Education 103 or 108 and 117 3
Three courses selected from: 3
Physical education 101, 102, 104, 105, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209

E. Professional Sequence 40
Education 203, 330, 338, 446, 447, 448 30
Psychology 301; Special Education 205 10

F. Regents and Exit Examinations

TOTAL 190-193

Program for the Degree
Bachelor of Arts with a Major in Economics

Quarter Hours

A. General Requirements* 95
1. English 111, 112, 211 and one of the following: 20
Art 200, 271, 272, 273; Music 200, Philosophy 201; English 222
2. Mathematics 101, 103, 220 15
3. Laboratory Science Sequence 10
4. History 114, 115 10
5. Political Science 113 5
6. One course selected from: 5
Psychology 101, Sociology 201, Anthropology 201, Criminal Justice 100
7. History 251 or 252 5
8. Economics 201 and B.A. 205 or 207 10
9. Foreign Langsage 101, 102, 103 or Mathematics 104, 201, 202 15

B. Major Concentration 40
1. Economics 305, 306, 435 15
2. Five additional 300-400 level economics courses 25

C. Related Areas 30
1. Foreign Language 201 (if foreign language is chosen in A9 above) or Mathematics 203 (if mathematics is chosen in A9 above) 5
2. Five 300-400 level courses in history, mathematics, computer science, political science, psychology, or sociology—with at least ten hours and not more than fifteen hours in any one area 25

D. Electives 20

* Certain courses may be exempted by examination with credit awarded. See p. 35.

E. Physical Education 6
Physical Education 103 or 108 and 117 3
Three courses selected from: 3
Physical Education 101, 102, 104, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209

F. Regents and Exit Examinations

TOTAL 191

Program for the Degree
Bachelor of Business Administration

Quarter Hours

A. General Requirements* 80
1. English 111, 112, 221 and one course selected from 20
Art 200, 271,272, 273; Music 200; Philosophy 201; or English 222
2. Mathematics 101, 195, 220 15
3. Laboratory Science Sequence 10
4. History 114, 115 10
5. History 251, or 252 5
6. Economics 201 and B.A. 205 or 207 10
(or CS 110 for Information Systems)
7. Political Science 113 5
8. Psychology 101 or Sociology 201 5

B. Business Core Requirements 55
1. B.A. 211, 212, 215, 307, 320, 340, 360 35
2. Economics 305; Economics 311 and 327 15
3. One of the following courses: 5
B.A. 308 (recommended for Accounting Concentration); Economics 331, 335, 405 or 431

C. Approved Electives 20
To be chosen from the humanities, social sciences, natural aciences, mathematics, computer science and business and economics. (not more than ten quarter hours allowed). At least fifteen quarter hours must be in courses numbered 200 or above

D. Physical Education 6
Physical Education 117, Physical Education 103 or 108 3
Physical Education activities courses 3

E. Regents and Exit Examinations

F. Concentrations 30

TOTAL 191

* Certain courses may be exempted by examination with credit awarded. See p. 35.

1. *Accounting*
 B.A. 301, 302—Intermediate Accounting I, II, and four of the following:
 B.A. 329—Cost Accounting I
 B.A. 330—Cost Accounting II
 B.A. 436—Income Taxation I
 B.A. 437—Income Taxation II
 B.A. 450—Auditing Principles
 B.A. 455—Advanced Ancounting

2. *Economics*
 Econ. 306—National Income Analysis
 Econ. 435—Seminar on Contemporary Economic Problems, and the remaining hours selected from the following:
 Econ.326—Economic History of the United States
 Econ.331—Labor and Industrial Relations
 Econ.335—Public Finance
 Econ.345—Economic Development
 Econ.350—Transportation Economics
 Econ.405—Government and Business
 Econ.431—Investments
 Econ.445—Independent Study

3. *Finance*
 B.A. 465—Business Policy
 B.A. 425—Managerial Accounting or
 B.A. 301—Intermediate Accounting I or
 B.A. 329—Cost Accounting I
 Four of the following:
 B.A. 308—Business Law II
 B.A. 404—Real Estate
 B.A. 436—Income Taxation I
 B.A. 437—Income Taxation II
 Econ.306—National Income Analysis
 Econ.335—Public Finance
 Econ.431—Investments

4. *Information Systems*
 Computer Science 231—Business Language I
 Computer Science 232—Business Language II
 Computer Science 301—Computer Organization and Programming
 Computer Science 431—Control and Organization of Information
 Computer Science 306—Data and Programming Management *or*
 Computer Science 432—Systems Analysis and Design
 Computer Science elective

5. *Management*
 B.A. 425—Managerial Accounting
 B.A. 465—Business Policy and four of the following:
 B.A. 308—Business Law II
 B.A 301—Intermediate Accounting I or
 B.A. 329—Cost Accounting I
 B.A. 344—Principles of Salesmanship
 B.A. 348—Advertising
 B.A. 400—Internship
 B.A. 375—Personnel Administration
 B.A. 411—Marketing Management
 B.A. 412—Marketing Research
 B.A. 460—Production Planning and Control
 B.A. 462—Human Relations in Industry
 Econ.331—Labor and Industrial Relations
 Econ.405—Government and Business
 Psyc. 320—Industrial Psychology

6. *Management-Marketing*

B.A. 411—Marketing Management or
B.A. 412—Marketing Research
B.A. 465—Business Policy and one or more of the following:
B.A. 344—Principles of Salesmanship
B.A. 346—Retailing
B.A. 348—Advertising
B.A. 411—Marketing Management
B.A. 412—Marketing Research
The remaining hours to be selected from the list under MANAGEMENT above.

Course Offerings

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION 200—Survey of Business. (5-0-5). Offered each quarter.

A first course in business for Business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social, and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken or are concurrently taking 300-level work.)

BUSINESS ADMINISTRATION 203—Business Machines. (3-2-3).

Development of skill in the use of adding-listing machines; mechanical and electronic calculating machines; dictating-transcribing machines; copying and duplication machines; and the proportional-space typewriter; course syllabus adapted to the individual student's needs.

BUSINESS ADMINISTRATION 205—Data Processing. (5-0-5). Offered twice a year.

A study of the basic methods, techniques, and systems of manual, mechanical, electrical and electronic data processing systems and an analysis of the application of these systems to business and industry with emphasis on the manager and the role of management. Included in the course of study are the tele-communication terminal systems and the languages necessary to communicate with a computing system.

BUSINESS ADMINISTRATION 207—Personal Finance. (5-0-5). Offered twice a year. Prerequisite: Eligibility to enter Mathematics 101.

This course is devoted to family financial matters such as budgeting expenditures, taxes, loans, charge accounts, savings media, life insurance, investment securities, mutual funds, estate planning, trusts, wills, estate and gift taxes.

BUSINESS ADMINISTRATION 211—Introductory Accounting I. (5-0-5). Offered each quarter.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals.

BUSINESS ADMINISTRATION 212—Introductory Accounting II. (5-0-5). Offered each quarter. Prerequisite: Accounting 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

BUSINESS ADMINISTRATION 215—Business Communication. (5-0-5). Offered each quarter. Prerequisite: English 122.

The development of an awareness of the problems in communicating in business; theory and principles of effective business communication; business reports, letters, memorandums, and the instruments of the job application process; oral and non-verbal techniques.

BUSINESS ADMINISTRATION 301—Intermediate Accounting I. (5-0-5). Prerequisites: Accounting 212, Economics 201, Math 195, 220.

Accounting theory and the solution of problems requiring an application of accounting theory.

BUSINESS ADMINISTRATION 302—Intermediate Accounting II. (5-0-5). Prerequisite: Business Administration 301.

A continuation of Business Administration 301, emphasizing the theories of valuation of fixed assets and liability accounts, the application of these, and the interpretation of financial statements prepared on the basis of these theories.

BUSINESS ADMINISTRATION 307—Business Law I. (5-0-5). Offered each quarter. Prerequisites: Accounting 212, Economics 201, Math 195, 220.

Introduction to Legal Rights (sources, nature, types); governmental regulation; the law applicable to the following subject areas: Contracts; Sales—Article 2 of the Uniform Commerical Code (U.C.C.); Secured Transactions—Article 9 of the U.C.C.; Bankruptcy.

BUSINESS ADMINISTRATION 308—Business Law II. (5-0-5). Offered each quarter. Prerequisite: Business Administration 307.

The law applicable to the following subject areas: Commercial Paper—Articles 3 and 4 of the Uniform Commercial code; Insurance; Personal Property, Bailments, Real Property; Agency, Employment, Partnerships and Corporations.

BUSINESS ADMINISTRATION 320—Business Finance. (5-0-5). Offered each quarter. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financial management.

BUSINESS ADMINISTRATION 329—Cost Accounting I. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Methods of determining and distributing costs in manufacturing, including job order and process methods.

BUSINESS ADMINISTRATION 330—Cost Accounting II. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Standard cost procedures; budgeting; distribution costs and special cost problems.

BUSINESS ADMINISTRATION 340—Principles of Marketing. (5-0-5). Offered each quarter. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Principles and methods involved in the movement of goods and services from producers to consumers or ultimate users.

BUSINESS ADMINISTRATION 344—Principles of Salesmanship. (5-0-5). Prerequisite: Business Administration 340.

A detailed investigation and analysis of the myriad techniques utilized in the selling process.

BUSINESS ADMINISTRATION 346—Retailing. (5-0-5). Prerequisite: Business Administration 340.

An examination of the fundamentals necessary to establish and to manage effectively a successful retail concern.

BUSINESS ADMINISTRATION 348—Advertising. (5-0-5). Prerequisite: Business Administration 340.

Consideration of advertising and its relation to the overall marketing function. Includes media planning and selection, creativity and problem areas.

BUSINESS ADMINISTRATION 360—Principles of Management. (5-0-5). Offered each quarter. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing and controlling as components of the management process.

BUSINESS ADMINISTRATION 375—Personnel Administration. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Personnel administration from the staff as well as the managerial approach. Staffing the organization; maximizing employee potential; organizational behavior; remuneration and security of employees.

BUSINESS ADMINISTRATION 400—Internship. (Credit variable, 5 to 10 hours, but no more than 5 hours may be counted toward the major concentration.) Prerequisite: Senior standing with a minimum 2.75 GPA in all business and economics courses.

The student will pursue a meaningful project in the area of his major concentration in a business, government, or other institutional setting. The project will be determined by the sponsor of the activity and the student's faculty adviser and will be conducted under their joint supervision. Projects are normally completed in a quarter with periodic reports and a final performance evaluation submitted by the project sponsor. The project will be open to inspection by the faculty adviser for his evaluation of the quality of performance. Application and arrangement must be made through the department by mid-quarter preceeding the quarter in internship. Not open to part-time students who are employed full-time. Open to transient students only with permission of the Dean of the Faculty at Armstrong and the college from which the student comes.

BUSINESS ADMINISTRATION 404—Real Estate. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Principles and practices concerned with the economic, financial managerial and marketing aspects of commercial and industrial real estate planning and utilization.

BUSINESS ADMINISTRATION 411—Marketing-Management. (5-0-5). Prerequisites: Business Administration 340 and 360.

Management of marketing organizations, with emphasis on planning, organizing and controlling the marketing organization; internal and external communications; marketing management decision-making.

BUSINESS ADMINISTRATION 412—Marketing Reasearch. (5-0-5). Prerequisite: Business Administration 340.

Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision-making.

BUSINESS ADMINISTRATION 425—Managerial Accounting. (5-0-5). Prerequisite: Business Administration 360.

Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy. (Not open to Accounting majors.)

BUSINESS ADMINISTRATION 436—Income Taxation I. (5-0-5). Prerequisites: Accounting 212, Economics 201, Math 195, 220.

A study of federal income tax law and regulations; the income tax returns of individuals, partnerships and corporations.

BUSINESS ADMINISTRATION 437—Income Taxation II. (5-0-5). Prerequisite: Business Administration 436 or Business Administration 302.

A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns, gift taxes and estate taxes.

BUSINESS ADMINISTRATION 450—Auditing Principles. (5-0-5). Prerequisite: Business Administration 302.

The principles of audits and financial verification, standards of field work, preparation of audit working papers, writing audit reports, audition ethics.

BUSINESS ADMINISTRATION 455—Advanced Accounting. (5-0-5). Prerequisite: Business Administration 302.

Selected problems in accounting. Analysis and evaluation of methods used for organizing and solving special accounting problems.

BUSINESS ADMINISTRATION 460—Production Management. (5-0-5). Prerequisite: Business Administration 360.

The principles of production management are developed through study of plant layout, inventory control, materials handling, production scheduling, quality control and associated topics.

BUSINESS ADMINISTRATION 462—Human Relations in Organizations. (5-0-5). Prerequisite: Business Administration 360.

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively and with economic, psychological and social satisfaction.

BUSINESS ADMINISTRATION 463—Small Business Management. (5-0-5). Prerequisite: B.A. 320, 340, 360, and Senior standing.

Study of the operation and problems of small business in manufacturing, marketing, and service sectors. Individual investigations of a small business will be required of each student.

BUSINESS ADMINISTRATION 465—Business Policy. (5-0-5). Prerequisites: Business Administration 320, 340, 360 and senior status.

Problem solving and decision making by top management. An integrating course, taught by the case method. Should be taken in the student's final quarter.

Course Offerings

ECONOMICS

ECONOMICS 201—Principles of Economics I. (5-0-5). Offered each quarter. Prerequisite: At minimum, eligibility to enter Mathematics 101.

Micro and Macro economic principles.

ECONOMICS 305—Managerial Economics. (5-0-5). Offered twice a year. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Microeconomic applications to decision-making and policy formulation in the business firm. Production costs, pricing and market structures.

ECONOMICS 306—National Income Analysis. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Income and employment analysis; money and interest; monetary and fiscal policy; inflation and unemployment.

ECONOMICS 311—Quantitative Methods. (5-0-5). Offered twice a year. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Applications and limitations of mathematical techniques to business and economic problems. Decision making under uncertainty. Inventory control. Linear, integer, and dynamic programming.

ECONOMICS 312—Econometrics. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Applications and limitations of statistical techniques to business and economic problems. Limitations of ordinary least squares. Data problems. Index mumbers. Sampling techniques.

ECONOMICS 326—Economic History of the United States. (5-0-5).

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

ECONOMICS 327—Money and Banking. (5-0-5). Offered twice a year. Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic efforts.

ECONOMICS 331—Labor and Industrial Relations. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

ECONOMICS 335—Public Finance. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The economic effects of governmental taxation, expenditures and public debt management. The principal sources of revenue and types of expenditures at the federal, state and local levels. The proper scope of government and issues of fairness in taxation.

ECONOMICS 345—Economic Development. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The nature and cause of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

ECONOMICS 350—Transportation Economics. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

Domestic transportation and its economic impact; national transportation policy and regulatory agencies; principles of rate-making and computation; the U.S. transportation system, its problems and the future.

ECONOMICS 405—Government and Business. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The effects of public policies upon business and industry with emphasis on anti-trust, taxation, regulatory and defense policies.

ECONOMICS 431—Investments. (5-0-5). Prerequisites: Accounting 212, Economics 201, Mathematics 195, 220.

The investment risks in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

ECONOMICS 435—Seminar on Contemporary Economic Problems. (5-0-5). Prerequisites: Accounting 212, Economics 201, two 300-level Economics courses, Mathematics 195, 220.

General problems of production, employment, and income, with special reference to the specific problems faced by the American economic system.

ECONOMICS 445—Independent Study. (5-0-5). Not open to transient students except with permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

Mature students of economics may be permitted to undertake special independent studies in one or more aspects of economics, under the supervision and guidance of a member of the faculty. Normally, the subject matter covered will parallel a bulletin-described course which is only infrequently offered. The student will meet frequently with his advisor and will be expected to submit reports in depth on his studies. Approval of the advisor and the Department Head will be necessary for admittance to this course.

Course Offerings

SECRETARIAL STUDIES

SECRETARIAL STUDIES 104—Beginning Typewriting. (3-2-3). Fall

Development of basic skill; introduction to typewritten letters, tabulations and manuscripts (includes term papers and book reports). *Students who have earned high school credit in a one-year course in typewriting (or the college equivalent–one quarter or one semester) may not take this course for credit. These students should either audit the course or begin the typewriting sequence with Intermediate Typewriting, Secretarial Studies 105.*

SECRETARIAL STUDIES 105—Intermediate Typewriting. (3-2-3). Fall, Winter. Prerequisite: Secretarial Studies 104 or equivalent.

Improvement of basic skill; tabulations, business forms, letters, memorandums, and manuscripts; emphasis on production rate.

SECRETARIAL STUDIES 106—Advanced Typewriting. (3-2-3). Winter, Spring. Prerequisite: Secretarial Studies 105 or equivalent.

Major emphasis on production rate; tabulations, letters and manuscripts; varied business forms and other information media.

SECRETARIAL STUDIES 111—Beginning Gregg Shorthand. (5-0-4). Fall. Prerequisite or corequisite: Secretarial Studies 104 or equivalent.

Complete theory; reading, dictation and transcription from studied material to 60 words a minute. *Students who have earned high school credit in a one-year course in Gregg Shorthand (or the college equivalent–one quarter or one semester) may not take this course for credit. These students should either audit the course or begin the shorthand sequence with Intermediate Gregg Shorthand, Secretarial Studies 112.*

SECRETARIAL STUDIES 112—Intermediate Gregg Shorthand. (5-0-4). Winter. Prerequisites: Secretarial Studies 111 or equivalent and Secretarial Studies 104 or equivalent.

Improvement of basic skill; mailable copy; reading; dictation and transcription from studied and new material to 90 words a minute.

SECRETARIAL STUDIES 113—Advanced Gregg Shorthand. (5-0-5). Spring. Prerequisites: Secretarial Studies 112 or equivalent and Secretarial Studies 104 or equivalent.

Improvement of basic skill; reading; mailable copy; dictation and transcription from studied and new material to 120 words a minute.

SECRETARIAL STUDIES 114—Advanced Dictation and Transcription. (5-0-4). Summer. Prerequisites: Secretarial Studies 113 or equivalent and Secretarial Studies 104 or equivalent.

Reading mailable copy; office-style dictation; refinement of techniques.

SECRETARIAL STUDIES 213—Office Procedures. (5-0-5). Prerequisite: Secretarial Studies 105 or equivalent.

Development of an understanding of administative services common to business; work flow; interpersonal relationships; office systems.

SECRETARIAL STUDIES 214—Records Systems and Management. (5-0-5). Prerequisite: Secretarial Studies 104.

Records systems and records management used in the contemporary business office.

DEPARTMENT OF CHEMISTRY AND PHYSICS

Professor Henry E. Harris, Head; Professors Brewer, Robbins, and Stratton; Associate Professor Whiten; Instructors Jaynes, Pestel; Teaching Associate Goette.

The department offers one degree program, the Bachelor of Science with a major in chemistry, designed to give depth in the fields of chemistry, yet flexible enough to accommodate a range of career goals. The department also participates in the Dual Degree Program of Armstrong State College and the Georgia Institute of Technology under which students may earn simultaneously the B.S. degree in chemistry from Armstrong and the bachelor's degree form Georgia Tech in a related field, such as chemical engineering.Students interested in learning more about the chemistry degree program or any course offered by the department should contact the department head. Any student who plans to pursue a degree in chemistry should contact the department head as early as possible for advisement and academic planning.

Program for the Degree
Bachelor of Science with a Major in Chemistry

	Quarter Hours
A. General Education Course requirements*	61
1. English 111, 112, 211	15
2. One of the following:	5
Art 200, 271, 272, 273, English 222	
Music 200, Philosophy 201	
3. Mathematics 101, 103	10
4. History 114, 115	10
5. History 251, or 252	5
6. Political Science 113	5
7. One of the following courses:	5
Psychology 101, Anthropology 201,	
Sociology 201, Economics 201,	
Criminal Justice 100	
8. Physical Education 103 or 108 and 117, and three activities courses	6
B. Chemistry Course Requirements	60
1. Chemistry 128, 129, 281, 341, 342, 343, 380, 491, 492, 493	47
2. Approved electives from:	13
Chemistry 421, 441, 448, 461, 462, 480, 498, 499	
C. Related Field Requirements	30
1. Physics 211, 212, 213, or Physics 217, 218, 219	15
2. Mathematics 104	5
3. Approved electives	10
D. Approved General Electives	40
Electives chosen to meet specific educational goals	
E. Regents and Exit Examinations	
TOTAL	191

* Certain courses may be exempted by examination with credit awarded. See p. 35.

	Quarter Hours
A. General Requirements*	60
1. English 111, 112, 211 one of the following:	20
Art 200, 271, 272, 273, Music 200,	
2. History 114, 115	10
3. History 251, or 252	5
4. Psychology 101	5
5. Political Science 113	5
6. Mathematics 101, 103, 104	15
B. Courses in Major Field	60
1. Chemistry 128, 129, 281, 380, 341, 342, 343, 491, 492, 493	47
2. Approved 300-400 level chemistry electives	13
C. Related field Requirements	30
1. Biology 101, 102	10
2. Physics 211, 212, 213, or Physics 217, 218, 219	15
3. Approved electives	5
D. Physical Education	6
Physical Education 103 or 108 and 117	3
Physical Education activities courses	3
E. Professional Sequence	40
1. Education 203, 330, 444, 446, 447, 448	30
2. Psychology 301; Special Education 205	10
F. Regents and Exit Examinations	
TOTAL	191

Course Offerings

CHEMISTRY 128-129—General Chemistry (4-3-5 for each course). Prerequisite: College Algebra or concurrently. Offered each quarter.

These courses are the first two of the series 128, 129, 281 required to complete an academic year of General Chemistry. A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. These courses are designed for the science, pre-medical and engineering student. The laboratory work includes an understanding of fundamental techniques.

CHEMISTRY 201—Essentials of General Chemistry. (5-0-5). Offered each quarter.

An introduction to inorganic, organic, and biochemistry with emphasis on applications in human physiology and clinical chemistry. Experimental principles will be illustrated with classroom demonstrations.

CHEMISTRY 281—Qualitative Analysis. (3-6-5). Prerequisite: Chemistry 129. Fall and Spring.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

This course is the third of the series 128, 129, 281 required to complete an academic year of General Chemistry. Study of ionic equilibria and separation methods. Homogeneous solutions involving dissociation, hydrolysis and buffer action, and heterogeneous systems showing the influence of pH and complexation on solubility are illustrated. Various chemical and chromatographic techniques are used as a basis for qualitative analysis.

CHEMISTRY 301—The Chemistry of Life. (5-0-5). Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

An introductory course covering selected areas of applied biochemistry. This course is not recommended for chemistry, biology, or premedical students.

CHEMISTRY 341-342—Organic Chemistry. (4-3-5 for each course). Prerequisite: Chemistry 129. Fall Winter.

These courses include the study of aliphatics, aromatic hydrocarbons and their derivatives, polyfunctional compounds, and polynuclear hydrocarbons. Organic reactions are emphasized in terms of modern theory.

CHEMISTRY 343—Organic Chemistry. (4-3-5). Prerequisite: Chemistry 342. Spring.

A continuation of the organic chemistry sequence 341, 342. This course completes the fundamental study of organic chemistry with a consideration of carbohydrates, amino acids, and heterocyclics with their related compounds.

CHEMISTRY 350—Chemical Literature. (2-0-2). Prerequisite: Chemistry 342. Offered on demand.

A study of the use of the chemical library and the important journals, references, and information sources.

CHEMISTRY 380—Quantitative Instrumental Analysis. (2-9-5). Prerequisite: Chemistry 281. Winter, Summer.

A study of the principles of gravimetric, volumetric, spectrophotometric, and electrometric methods of analysis. The laboratory will provide practice in techniques and application of these principles.

CHEMISTRY 397—Scientific Glass-blowing. (0-4-2). Prerequisite: Permission of the Instructor. Offered on demand.

Properties of glass for scientific apparatus; introduction of glass working equipment; planning of sequential joining operations; demonstration of major techniques for joining and working glass; supervision of individual students in preparing test-pieces.

CHEMISTRY 421—Advanced Inorganic Chemistry. (3-3-4). Prerequisite: Chemistry 380. Offered on demand.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431-432—Seminar. (3-0-3 for each course). Prerequisite: Chemistry 343. Offered on demand.

Selected topics for group discussion.

CHEMISTRY 441—Advanced Organic Chemistry. (3-0-3). Prerequisite: Chemistry 343. Fall.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448—Organic Qualitative Analysis. (2-9-5). Prerequisite: Chemistry 343. Offered on demand.

Systematic approach to the identification of organic compounds.

CHEMISTRY 451—History of Chemistry. (5-0-5). Spring, odd years. Prerequisite: Junior standing and Chemistry 129.

The development of science surveyed from antiquity to the present. Emphasis is placed on the development of ideas, men who made significant contributions, evolution of chemical theories, and the modern social implications of science.

CHEMISTRY 461—Biochemistry. (4-3-5). Prerequisite:Chemistry 343. Offered on demand.

A study of the chemical nature of cellular constituents and cellular metabolism. Subject topics include carbohydrates, proteins, lipids, enzymes, vitamins and coenzymes, anaerobic carbohydrate metabolism, lipid metabolism, the tricarboxylic acid cycle, oxidative posphorylation, and photosynthesis.

CHEMISTRY 462—Biochemistry. (4-3-5). Prerequisite: Chemistry 461. Offered on demand.

A study of the metabolism of ammonia and nitrogen-containing compounds, the biosynthesis of nucleic acids and proteins, metabolic regulation, and selected topics.

CHEMISTRY 463—Clinical Chemistry. (4-3-5). Prerequisite: Chemistry 343. Offered on demand.

A study of the principles of chemistry applied in the clinical laboratory. Topic subjects to include instrumentation and micro-techniques.

CHEMISTRY 480—Advanced Instrumental Analysis. (2-9-5). Prerequisite: Chemistry 380, 342. Offered on demand.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491-492-493—Physical Chemistry. (3-3-4 for each course). Prerequisite: Chemistry 380. Physics 213, Mathematics 104. Fall Winter, Spring.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions.

These courses will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 497-498-499—Independent Study. (1-5 hours credit each course). Prerequisite: Consent of the Head of the Department. Offered each quarter.

Designed to permit qualified students to pursue supervised individual research or study. Emphasis will be placed on the literature search, laboratory experimentation, and presentation of an acceptable written report. Both the credit and proposed work must be approved in writing by the faculty member who will supervise the work and by the department head. Open to transient students only with the permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

Course Offerings

PHYSICAL SCIENCE

PHYSICAL SCIENCE 121—Physical Environment. (4-3-5). Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and concepts of physics and astronomy. This course is designed for non-science majors interested in a descriptive survey. The laboratory study is designed to supplement the study of theory.

PHYSICAL SCIENCE 122—Physical Environment. (4-3-5). Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and theories of chemistry and geology. This is a descriptive course which includes the classification of elements, basic chemical reactions, and atomic structure designed for the non-science major. The laboratory study includes experiences which augment class discussion.

ASTRONOMY 301—Introduction to Astronomy. (5-0-5). Prerequisite: Ten quarter hours of laboratory science completed. Offered on demand.

A study of the planetary system, stars, stellar structure, and cosmology.

GEOLOGY 301—Principles of Geology. (5-0-5). Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

An introduction to physical and historical geology. A study of the origin, evolution, and structure of the earth's crust, and geologic history.

METEOROLOGY 301—Principles of Meteorology. (5-0-5). Prerequisites: Ten quarter hours of a laboratory science completed. Offered on demand.

An introduction to the description of the state of the atmosphere and to the physical laws that describe atmospheric phenomena.

OCEANOGRAPHY 301—Principles of Oceanography. (5-0-5). Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

A study of the basic principles of oceanography. Topic subjects to include the distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and applications of oceanographic research.

Course Offerings

PHYSICS

PHYSICS 211—Mechanics. (4-2-5). Prerequisite: Mathematics 103. Fall.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for students wtih aptitude in mathematics below the level of calculus. Selected experiments to demonstrate applications.

PHYSICS 212—Electricity, Magnetism, Basic Light. (4-2-5). Prerequisite: Mathematics 103 and Physics 211. Winter.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHYSICS 213—Light Phenomena, Modern Physics. (4-2-5). Prerequisite: Mathematics 103 and Physics 212. Spring.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 217—Mechanics. (5-3-6). Prerequisite: Mathematics 104, or concurrently. Fall.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed especially for engineering students and recommended for science majors. Selected experiments to demonstrate applications.

PHYSICS 218—Electricity, Magnetism, Basic Light. (5-3-6). Prerequisite: Mathematics 104 and Physics 217. Winter.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219—Light Phenomena, Modern Physics. (5-3-6). Prerequisite: Mathematics 104 and Physics 218. Spring.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 380—Introductory Quantum Mechanics. (5-0-5). Prerequisite: Physics 213 or Physics 219 and Mathematics 210. Offered on demand.

An introduction to quantum mechanical principles with applications in atomic and molecular structure.

PHYSICS 417—Mechanics. (5-0-5). Prerequisite: Physics 217 or 211 and Mathematics 201. Physics 218 or 212 and Mathematics 341 are recommended. Offered on demand.

Statics, kinematics, and dynamics of particles and of systems of particles are developed using Newtonian principles.

COMPARATIVE LITERATURE

(See listing under Department of Languages and Literature.)

COMPUTER SCIENCE

(See listing under Department of Mathematics and Computer Science.)

DEPARTMENT OF CRIMINAL JUSTICE

Associate Professor William L. Megathlin, Head: Associate Professor Magnus; Assistant Professor Eissler.

Two programs of study are available to the student who wishes to study in the criminal justice area—a two year program leading to the degree of Associate in Science in Criminal Justice with a concentration in corrections or in law enforcement and a four-year program leading to the degree of Bachelor of Science in Criminal Justice. Each student should work closely with assigned departmental advisor in planning a program for either of the two degrees.

Program for the Degree
Associate in Science in Criminal Justice
with a Concentration in Law Enforcement

	Quarter Hours
A. General Requirements*	53
1. English 111, 112,	10
2. Art 200, 271, 272, 273, Music 200, or Philosphy 201	5
3. Mathematics 101	5
4. Laboratory Science Sequence	10
5. History 251 or 252 and Political Science 113	10
6. Psychology 101 and Sociology 201	10
7. Physical Education	3
B. Area of Concentration	40
Criminal Justice 100, 103, 104, 201, 202, 203, 210, 301.	
C. Regents and Exit Examinations	
TOTAL	93

* A student in either associate degree program may exempt certain courses with credit awarded See p. 35.

Program for the Degree
Associate in Science in Criminal Justice
with a Concentration in Corrections

	Quarter Hours
A. General Requirements*	53
1. English 111, 112,	10
2. Art 200, 271 272, 273, Music 200, or Philosphy 201	5
3. Mathematics 101	5
4. Laboratory Science Sequence	10
5. History 251 or 252 and Political Science 113	10
6. Psychology 101 and Sociology 201	10
7. Physical Education	3
B. Area of Concentration Criminal Justice 100, 102, 103, 201, 210, 301, 304, 306	40
C. Regents and Exit Examinations	
TOTAL	93

At least 45 hours of each of these two program must be completed at Armstrong

Program for the Degree
Bachelor of Science in Criminal Justice

Students who intend to major in Criminal Justice should complete Criminal Justice 100 before the end of the freshman year and should complete all general education requirements as soon as possible.

	Quarter Hours
A. General Requirements*	66
1. English 111, 112, 211	15
2. Art 200, 271, 272, 273, Music 200, Philosphy 201, or English 222	5
3. Mathematics 101 and 103, 195, 220 or 290	10
4. Laboratory Science Sequence	10
5. Political Science 113 and History 114 and 115	15
6. Psychology 101 and Sociology 201, Economics 201, or Anthropology 201	5
7. Physical Education	6
B. Courses Appropriate to Area of Concentration*	30
1. Psychology 101 or Sociology 201	5
2. History 251 or 252	5
3. Criminal Justice 100, 103, 201, 210	20
C. Area of Concentration Criminal Justice 300, 301, 303, 305, 403, 490	30
D. Electives from Related Areas Sixty-five hours chosen from a list of selected electives. No more than fifteen hours may be taken from any one department except Criminal Justice. Seven of these courses should be 300-400 level courses.	65
E. Regents and Exit Examinations	
TOTAL	191

* A student in either degree program may exempt certain courses with credit awarded. See p. 35.

CRIMINAL JUSTICE 100—Introduction to Criminal Justice. (5-0-5). Offered each quarter.

This survey course examines the emergence of formal institutions established within the American experience to deal with criminal behavior. The philosophical and cultural origins of the criminal justice system and current trends in criminal justice are emphasized.

CRIMINAL JUSTICE 102—Introduction to Corrections. (5-0-5). Fall.

This course provides an overview of the American correctional system.

CRIMINAL JUSTICE 103—Developing Interpersonal Communications Skills. (5-0-5). Fall, Winter, Spring.

The emphasis of this course will be placed upon the development of interpersonal communication skills, i.e., skills that can be effectively utilized on the job to improve interaction among employees and between employees and the public.

CRIMINAL JUSTICE 104—Basic Law Enforcement. (5-0-5). Fall.

This course will include a study of the police system in the United States, an overview of the basic purposes and objectives of the average police department, and an introduction to police ethics and professionalization.

CRIMINAL JUSTICE 201—Criminal Procedure. (5-0-5). Winter.

A survey of the distinctive features of, and the basis for, American Criminal Law buttressed by an analysis of leading court decisions relative to procedural rights emanating from the Bill of Rights.

CRIMINAL JUSTICE 202—Law of Evidence. (5-0-5). Offered on demand.

An intensive analysis of the rules of evidence in criminal cases. Particular subjects will include burden of proof, hearsay evidence, and the principles of exclusion and selection.

CRIMINAL JUSTICE 203—Criminal Law. (5-0-5). Winter.

History and development of criminal law with definitions and general penalties. Special emphasis will be placed upon the Georgia Penal Code.

CRIMINAL JUSTICE 204—Criminal Investigation. (5-0-5). Offered on demand.

Introduction to investigative methodology. Special techniques employed in criminal investigation, such as crime scene searches, the use of informants, and the techniques of surveillance will be emphasized, as well as the presentation of police cases in court.

CRIMINAL JUSTICE 210—Criminology. (5-0-5). Fall.

The nature and extent of crime in the United States; assessment and evaluation of various factors and influences that lead to criminal behavior; various measures proposed for the control of criminal behavior.

CRIMINAL JUSTICE 250—Directed Readings in Criminal Justice. (5-0-5). Offered on demand.

A course designed to permit each student to pursue an approved topic through independent study and research under the guidance and direction of the instructor.

CRIMINAL JUSTICE 300—Research Methods in Criminal Justice. (5-0-5). Winter.

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on learning how to evaluate research.

CRIMINAL JUSTICE 301—Juvenile Delinquency. (5-0-5). Fall. Prerequisite: Criminal Justice 100 or consent of instructor.

A survey of theories of juvenile delinquency, the sociological, biological, and psychological factors involved in juvenile delinquency and the modern trends in prevention and treatment.

CRIMINAL JUSTICE 302—Criminalistics. (5-0-5). Summer. Prerequisite: a natural science laboratory sequence or consent of instructor.

An introduction to the problems and techniques of scientific criminal investigation. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.

CRIMINAL JUSTICE 303—Penology. (5-0-5). Winter. Prerequisite: Criminal Justice 100, 102 or consent or instructor.

This course deals with the analysis and evaluation of both historical and contemporary correctional systems. This course will also deal with the development, organization, operation and results of the different systems of corrections found in America.

CRIMINAL JUSTICE 304—Probation and Parole. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 303, or consent of instructor.

This course will deal with the development, organization, operation and results of systems of probation and parole as substitutes for incarceration.

CRIMINAL JUSTICE 305—Law Enforcement Systems. (5-0-5). Spring. Prerequisite: Criminal Justice 100, 104 or consent of instructor.

An introduction to the philosophical, cultural and historical background of the police idea. This course is conceptually oriented and will deal with concepts such as the role of the police in contemporary society, the quasi-military organization of the police, and community relations.

CRIMINAL JUSTICE 306—Correctional Counseling. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 303 or consent of instructor.

This course deals with the nature and function of counseling in a correctional setting. The different theoretical approaches and techniques of counseling as they can be applied in a correctional setting will be investigated.

CRIMINAL JUSTICE 307—Community Based Treatment. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 303 or consent of instructor.

This course will investigate the different community base treatment programs. An emphasis will be place on investigating the function of halfway houses and the use of volunteers in corrections.

CRIMINAL JUSTICE 308—Criminal Justice Planning. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 300 or consent of instructor.

Origins and evolution of modern day planning. Planning as a process of criminal justice decision-making.

CRIMINAL JUSTICE 402—Civil Liberties. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 201 or Political Science 317.

Problems will be drawn from the substantive and procedural aspects of constitutional law and explored in the context of the current friction between the values of order and individual liberty.

CRIMINAL JUSTICE 403—Judicial Process. (5-0-5). Spring. Prerequisite: Criminal Justice 201 or Political Science 317.

Courts as political subsystems in comparative perspective. Judicial decision-making and the development of public policy through the judicial process.

CRIMINAL JUSTICE 404—Correctional Treatment. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 303 or consent of instructor.

This course involves an evaluation of specific programs and experiments in institutional treatment. An emphasis will be placed on the institutional adjustment, the preparation for institutional release and post-release facilities.

CRIMINAL JUSTICE 405—Group Methods in Corrections. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 306 or consent of instructor.

This course will investigate the group dynamics and the group processes as they can be applied to a correctional setting.

CRIMINAL JUSTICE 406—Law and Society. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 403 or the consent of instructor.

The study of the theory and philosophy of law and the relationship between law and society. Current controversies such as civil disobedience and law and personal morality will receive special attention.

CRIMINAL JUSTICE 407—Legal Aspects of Corrections. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 201, 303 or consent of instructor.

The course deals with the legal problems from convictions to release. Legal problems will be investigated in the following areas: pre-sentence investigation, sentencing, probation, parole, incarceration, and loss and restoration of civil liberties.

CRIMINAL JUSTICE 408—Human Relations. (5-0-5). Offered on demand. Prerequisite: Consent of instructor.

This course will deal in the area of human relations as a means of controlling and changing people. Emphasis will be placed on effective listening and effective communication.

CRIMINAL JUSTICE 440—Seminar in Criminal Justice. (5-0-5). Offered on demand. Prerequisite: Open to seniors only or by consent of the instructor.

An intensive study of selected topics relative to the concept of criminal justice. Subject matter will vary annually.

CRIMINAL JUSTICE 450—Field Experience I. (5-0-5). Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

The purpose of this course is to broaden the educational experience of students through appropriate observation and work assignments with criminal justice agencies. This course will be organized around specific problem orientations with operational research connotations. Students will be expected to spend a minimum of five hours per week with the participating agency. Open to transient students only with permission of the Dean of Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 451—Field Experience II. (5-0-5). Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

This is a sequential course to Criminal Justice 450 which will permit the student to further broaden his perspectives. Open to transient students only with permission of the Dean of Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 452-453-454—Internship. (5 hours credit for each course.) Offered each quarter. Prerequisite: Open only to upper level criminal justice majors.

This course is designed to provide the student with an opportunity to apply academic training in the practical criminal justice setting. Settings will include law enforcement agencies (state or federal), community treatment facilities, and the courts. This course will be jointly supervised by college staff and law enforcement, correctional and court officials. Open to transient students only with permission of the Dean of the Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 490—Directed Research in Criminal Justice. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 300.

A course designed to provide qualified students the oportunity to perform suitable and meaningful research into some area of criminal justice under the direction of the instructor. Open to transient students

only with permission of the Dean of the Faculty at Armstrong State College and of the college from which the student comes.

DEPARTMENT OF DENTAL HYGIENE

Assistant Professor James M. Bell, Head; Instructors Coursey, Tanenbaum, and Thomson; Teaching Associate Olsen.

Associate in Science in Dental Hygiene

A passing grade in all related natural science courses is a prerequisite to the 200 level Dental Hygiene courses; therefore, Chemistry 201, Zoology 208-209, and Biology 210 must be satisfactorily completed before the student will be admitted into second-year status in the Dental Hygiene Program.

The student must earn a "C" or better in each Dental Hygiene course before he or she will be allowed to register for subsequent dental hygiene courses; therefore, the grade of "C" or better in the previous course(s) is a prerequisite for each dental hygiene course for which the student registers after the first quarter of the freshman year. An overall GPA of 2.0 is required for graduation from the program.

Program for the Degree
Associate in Science in Dental Hygiene

	Quarter Hours
A. General Requirements*	35
1. English 111, 112,	10
2. Psychology 101	5
3. Sociology 201	5
4. Physical Education 211	2
5. Physical Education activity course	1
6. Drama/Speech 217	2
7. History 251, or 252	5
8. Political Science 113	5
B. Courses in Major Field	59
Dental Hygiene 111, 112, 113, 114, 115, 116 118, 119, 120, 121, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220	
C. Courses in Related Fields	20
1. Chemistry 201	5
2. Zoology 208, 209	10
3. Biology 210	5
D. Regents and Exit Examinations	
TOTAL	114

* Certain courses may be exempted by examination with credit awarded. See p. 35.

DENTAL HYGIENE 111—Clinical Dental Hygiene I. (2-3-3). Fall Quarter.

This course is designed to introduce the student to the dental hygiene profession. The subject matter includes fundamental knowledge of clinical procedures and techniques of removing stains and deposits from the teeth. Clinical procedures are introduced first on manikins and then applied in the mouth.

DENTAL HYGIENE 112-113—Clinical Dental Hygiene II and III. (1-6-3) (1-6-3). Winter and Spring Quarters respectively. Prerequisite: Dental Hygiene 111.

Students continue with oral prophylactic techniques on patients in the clinic under supervision. The subject matter includes advanced procedures which the hygienist will use in the performance of duties. The student must apply acquired knowledge in all clinical situations.

DENTAL HYGIENE 114—Dental Anatomy. (2-0-2). Fall Quarter.

This course is designed to familiarize the dental hygiene student with the nomenclature, morphology, and eruption sequence of the primary and secondary dentition.

DENTAL HYGIENE 115—Oral Histology and Embryology. (2-0-2). Winter Quarter.

This course includes primarily the study of oral histology and embryology and is designed to familiarize the dental hygiene student with the histology of the oral cavity and with the growth and development of the embryo with emphasis on the oral stuctures.

DENTAL HYGIENE 116—Head and Neck Anatomy. (2-0-2). Spring Quarter.

This course is designed to familiarize the dental hygiene student with gross anatomical relationships in the head and neck. Special attention is given to the anatomy of the oral cavity and its clinical application.

DENTAL HYGIENE 118—Periodontics. (2-0-2). Summer Quarter.

This course is designed to give the student a basic understanding of periodontics. Emphasis will be placed on the significance of patient education and dental prophylaxis in the prevention of periodontal disease.

DENTAL HYGIENE 119—Dental Materials. (2-3-3). Summer Quarter.

This course is designed to provide a general understanding of the chemical, physical and mechanical properties of dental materials. The indications and limitations of materials will be stressed as well as proper manipulation of those materials used by dental hygienists.

DENTAL HYGIENE 120—Dental Roentgenology. (2-3-3). Summer Quarter.

This course will include a series of lectures, demonstrations, and directed experience in the fundamentals of dental roentgenology. Intraoral techniques for the taking and processing of radiographs are taught

and laboratory time will be devoted to demonstration and directed experience. Clinical time in subsequent quarters will afford the application of the principles to clinical situations.

DENTAL HYGIENE 121—Applied Nutrition. (2-0-2). Spring Quarter.

This course presents the biochemical aspects of nutrition as applied to the practice of dentistry. Students are instructed in diet, history taking, and dietetic counseling.

DENTAL HYGIENE 210—General and Oral Pathology. (3-0-3). Fall Quarter.

This course is designed to familiarize dental hygiene students with the principles of general pathology in relation to the common diseases of oral regions. Emphasis will be placed on clinical manifestations and the importance of early recognition of abnormal conditions.

DENTAL HYGIENE 211-212-213—Clinical Dental Hygiene IV, V, VI. (1-12-5) (1-12-5) (1-12-5). Fall, Winter and Spring Quarters respectively. Prerequisites: Dental Hygiene 111, 112, 113.

These courses are a continuation of the preceding clinical courses. Emphasis centers on improved proficiency in all areas of a working clinic. Lecture time is devoted mainly to the discussion of experiences encountered in clinical situations. Pertinent material related to the dental hygiene profession is included in these courses.

DENTAL HYGIENE 214—Anesthesiology and Pharmacology. (3-0-3). Winter.

This course is a study of drugs and anesthetics with special consideration given to those used in dentistry. It is designed to acquaint the student with the principles of drug action in the human patient.

DENTAL HYGIENE 215—Preventive Dentistry. (2-0-2). Fall.

The principles of prevention of oral diseases are presented. Emphasis is placed on training the student in the utilization of oral physiotherapy aids and on education and motivation of patients in proper oral hygiene. clinical time is subsequent quarters will afford the application of these principles to clinical situations.

DENTAL HYGIENE 216—Fundamentals of Dental Hygiene. (1-0-1). Winter.

This course is designed as a seminar to acquaint students with the ethical responsibilities of the dental hygienist, the jurisprudence governing the practice of dental hygiene, and the structure and function of the American Dental Association, the Georgia Dental Association, and the American Dental Hygienists Association.

DENTAL HYGIENE 217—Dental Health Education and Public Health. (3-0-3). Winter.

This course includes demonstrations and practical applications of modern methods of dental health education. Developing teaching mate-

rials for dental health education and the presentation of materials are included.

This course also introduces the student to the various aspects of public health with reference to the needs of the community. Information concerning opportunities for participation in public health dentistry by the dental hygienist is included.

DENTAL HYGIENE 218—Dental Assisting. (2-0-2). Winter.

This course is designed to acquaint the student with the contributions to the provision of dental services by dental auxiliary personnel. The principles of assistant utilization are presented and application of these principles is made during clinical experience.

DENTAL HYGIENE 219—Total Patient Care. (2-0-2). Winter.

This course is a series of lectures to acquaint the student with the subject matter and practice of the various dental specialties in relation to the patient's total health. Emphasis is placed on periodontics, its treatment and the role of the dental hygienist in maintenance of oral health.

DENTAL HYGIENE 220—Directed Field Experience. (0-9-3). Spring.

Students will receive directed field experience in public health dentistry and for the handicapped. They will also experience planned learning experiences in private dental offices.

Bachelor of Science in Dental Hygiene Education

This degree is comprised of preparatory courses which will enable the students to become instructors of Dental Hygiene. The students will work with the dental hygiene faculty and be directly under their supervision. However, their professional level will be above the student dental hygienists (Associate of Science degree students).

Requirements include attendance at selected freshman and sophomore lecture classes and clinics. The number and times of attendance will be left to the discretion of the Head of the Department. Lecture subjects; reading assignments; grading procedures; and laboratory design; as well as instruction technique; attitude and interaction between students, faculty, and patients will be graded by all faculty members, with the final grades being determined by the Department Head.

In addition to courses listed for the Associate in Science in Dental Hygiene Degree, the following courses must be completed.

Program for the Degree
Bachelor of Science in Dental Hygiene Education

	Quarter Hours
A. General Requirements*	33
1. English 211	5
2. Philosophy 201	5
3. Mathematics 101, 220	10
4. History 114, 115	10
5. Physical Education electives	3

B. Courses in the Major Field 20
1. Dental Hygiene 401, 402, 403, 404

C. Courses in Related Fields 20
1. Education 203, 330 10
2. Psychology 301 5
3. Special Education 230 5

D. Electives 25

D. Regents** and Exit Examinations

TOTAL 93

Course Offerings

DENTAL HYGIENE 401—Practicum in Dental Hygiene Education I. (1-8-5). Fall. Prerequisite: Senior Status and work experience.

An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small goup teaching, and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DENTAL HYGIENE 402—Practicum in Dental Hygiene Education II. (1-8-5). Winter. Prerequisite: DH 401.

A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

DENTAL HYGIENE 403—Practicum in Dental Hygiene Education III. (1-8-5). Spring. Prerequisite: DH 402.

An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures, and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

DENTAL HYGIENE 404—Directed Individual Study. (0-10-5). Summer. Prerequisite: DH 403.

Directed individual study in an area of major interest with special relevance to Dental Hygiene and future carrer objectives. Laboratory experience will be included to meet the needs of the students.

DRAMA/SPEECH

(See listing under Department of Languages and Literature.)

ECONOMICS

(See listing under Department of Business Administration.)

* Certain courses may be exempted by examination with credit awarded. See p. 35.

** The Regents Examination is not required if it was successfully completed as part of an Associate Degree program.

NOTE:Students in the Bachelor of Science degree program in Dental Hygiene Education who did not complete History 251 or 252 and Political Science 113 or their equivalents in their Associate Degree programs must do so as part of their baccalaureate degree programs.

DEPARTMENT OF EDUCATION

Professor William W. Stokes, Head; Professor Ward; Associate Professors Barber and Newberry; Assistant Professors Ball, Bland, Thomas, and White.

The purpose of the Department of Education is to coordinate the college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education program offered by the college, see "Teacher Education" under "Degree Programs." For programs of study for degrees with secondary certification requirements, see appropriate departmental listings. Following are the programs of study for the degrees of Bachelor of Science in Elementary Education and Bachelor of Science in Education (Speech Correction):

Program for the Degree
Bachelor of Science in Elementary Education

	Quarter Hours
A. General Requirements*	96
1. English 111, 112, 211	15
2. Choice of: Art 200, 271, 272, 273; Music 200; Philosophy 201; or English 222	5
3. Drama/Speech 228	5
4. Sociology 201 or Anthropology 201	5
5. Geography 111, and Psychology 101	10
6. History 114, 115	10
7. Political Science 113 and History 251 or 252	10
8. Biology 101, 102	10
9. Physics 211, 212 or Physical Science 121, 122	10
10. Mathematics 101 and choice of: Mathematics 103, 195, 220, 290	10
11. Physical Education 103 or 108 and 117 and three activities courses	6
B. Electives	20
Approved electives to establish added proficiency in one area of concentration chosen to correspond to the elementary school curriculum: art, early childhood education, language arts, mathematics, modern foreign languages, music, social sciences, or associate Library media specialist	
C. Specialized Content Courses	30
1. Mathematics 390	5
2. Education 425	5
3. Four of the following courses: Art 320, English 331, Music 320, Physical Education 320, Education 339, 340, 426, 434.	20

* Certain courses may be exempted by examination with credit awarded. See p. 35.

D. Profesional Sequence Courses 45
1. Psychology 301, and Special Education 205 10
2. Education 203, 301, 435, 436, 446, 447, 448 35

E. Regents and Exit Examinations

TOTAL 191

Program for the Degree
Bachelor of Science in Education: Speech Correction

Quarter Hours

A. General Requirements* 76
1. English 111, 112, 211 and one course selected from 20
Art 200, 271, 272, 273; Music 200
Philosophy 201; English 222
2. Psychology 101 and Political Science 113 10
3. History 114, 115, and History 251 or 252 15
4. Biology 101, 102 and Physical Science 121 15
5. Mathematics 101 and Mathematics 195 or 290 10
6. Physical Education 103 or 108 and 117 and three activities courses 6

B. Courses in Speech Correction 55
Special Education 225, 230, 315, 320, 335, 410, 411, 412, 413, 415, 420. (Each quarter, following completion of Special Education 410 and 415, the student will be assigned cases for supervised clinical practice.)

C. Related Field Requirements 15
1. Mental Health 102 5
2. Psychology 305, 405 10

D. Professional Sequence Courses 45
1. Psychology 301, and Special Education 205 10
2. Education 203, 301, 330, 425, 446, 447, 448 35

E. Regents and Exit Examinations

TOTAL 191

NOTE: The above program will be deactivated after the 1978-1979 academic year. Students should check with the Head of the Department of Education for further information.

Course Offerings

EDUCATION

EDUCATION 203—Orientation to Teaching. (5-0-5). Each quarter.

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

EDUCATION 301—Child Development and the Educative Process. (2-8-5). Fall, Winter, Spring. Prerequisite: Education 203.

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further

* Certain courses may be exempted by examination with credit awarded See p. 35.

development. Students attend seminars on campus and serve as junior professionals in selected elementary schools. Enrollment limited to 12 students per section.

EDUCATION 307—Growth and Development of the Young Child. (5-0-5). Fall. Prerequisite: Admission to Teacher Education or permission of instructor.

The study of inter-relatedness of the aspects of growth and development: physical-motor, social-emotional, and intellectual cognitive for the young child. A unification of theory and research utilizing directed observations and a study of various measurements appropriate with young children will be included.

EDUCATION 308—Child and His Family. (5-0-5). Winter. Prerequisite: Admission to Teacher Education or permission of instructor.

The study of children including the parent-child, parent-teacher relationships and cultural factors which affect children and their families. Techniques for development of parent involvement in the total developmental process.

EDUCATION 309—Materials and Methods of Early Childhood Education. (5-0-5). Spring. Prerequisite: Education 307 or permission of instructor.

The study of curricula needs, materials and techniques appropriate for use with young children.

EDUCATION 310—Practicum in Nursery-Kindergarten Education. (2-8-5). Offered on demand. Prerequisite: Education 309.

Provides opportunities for directed experience with children under six. Students attend seminars and work in selected preschool programs.

EDUCATION 330—Secondary School Curriculum and Methods, General. (3-6-5). Winter, Spring, and Summer. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school curriculum and methods. Detailed study is given to techniques of systematic observation, preparation of behavioral objectives, analysis of critical incidents, production of media materials, practices of classroom control, and examination of instruction models. Directed practicum.

EDUCATION 338—Secondary School Curriculum and Methods, Business Education. (5-0-5). Winter. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school business education curriculum with emphasis upon materials and methods of teaching business education. Directed observation.

EDUCATION 339—Elementary School Language Arts Methods and Curriculum. (4-3-5). Offered on demand. Prerequisite: Admission to Teacher Education.

This course is designed to offer the student the opportunity to explore methods, content, and materials used in teaching the skills of communication to children.

EDUCATION 340—Elementary School Social Studies Methods and Curriculum. (4-3-5). Offered on demand. Prerequisite: Admission to Teacher Education.

This course is designed to prepare preservice teachers to teach children fundamental social studies skills and processes.

EDUCATION 425—The Teaching of Reading. (5-0-5). Winter, Summer. Prerequisites: Education 203 and Admission to Teacher Education, or permission of instructor.

The teaching of reading including approaches, techniques, materials, and evaluating growth.

EDUCATION 426—Practicum in Individualized Reading Instruction. (2-8-5). Offered on demand. Prerequisite: Education 425.

This course is designed to provide prospective teachers with directed practice and observation in the teaching of reading. Special emphasis will be placed upon diagnosis and teaching of needed reading skills. Students will be placed under the supervision of teachers who have been selected for their competency in the teaching of reading. Open to Elementary Education majors only.

EDUCATION 434—Methods and Curriculum of Elementary Science. (5-0-5). Winter and Summer.

Provides prospective teachers with a better concept of the meaning of science, processes for translating this concept into classroom practice and a variety of ways for helping children learn science, with special emphasis on the kind of inquiry that engages them in the process of discovery.

EDUCATION 435—Elementary School Curriculum. (5-0-5). Summer, Fall, Winter. Corequisite: Education 436. Prerequisites: Education 301 and Psychology 301, or permission of the instructor and admission to the teacher education program.

The study of existing organization patterns of the school and experiences in curriculum planning, evaluation, trends, and design. Directed observation.

EDUCATION 436—Elementary School Methods. (5-0-5). Summer, Fall, Winter. Corequisite: Education 435. Prerequisites: Education 301 and Psychology 301, or permission of the instructor and admission to the teacher education program.

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development in preparation for student teaching.

EDUCATION 439—Secondary School Curriculum and Methods, English. (5-0-5). Fall. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school English curriculum with emphasis upon materials and methods of teaching English. Directed observation.

EDUCATION 440—Secondary School Curriculum and Methods, Social Science. (5-0-5). Fall Spring. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school social science curriculum with emphasis upon materials and methods of teaching social science. Directed observation.

EDUCATION 441—Secondary School Curriculum and Methods, Mathematics. (5-0-5). Offered on demand. Prerequisites: Mathematics 260.

The study of secondary school mathematics curriculum with emphasis upon materials and methods of teaching mathematics. Directed observations.

EDUCATION 443—Methods and Curriculum in Health, Physical and Recreation Education. (5-0-5). Offered on demand. Prerequisites: Admission to Teacher Education, Psychology 301, Education 330.

The study of secondary school Health, Physical and Recreation Education curriculum with emphasis upon materials and methods of teaching Health, Physical and Recreation Education. Directed observation.

EDUCATION 446-447-448—Student Teaching. (15 quarter hours). Fall, Winter, Spring. Prerequisite: See "Teacher Education" section under "Degree Programs."

Students are placed in selected schools for one quarter as full time student staff members. No additional credit hours may be earned while student teaching. Classroom experiences and other staff responsiblities are jointly supervised by the college staff, supervising teachers, and principals in the selected schools. Open to transient students only with permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

Course Offerings

LIBRARY SCIENCE

LIBRARY SCIENCE 110—Introduction to Library Research and Materials. (1-0-1).

An orientation to the Lane Library, library terminology, general research methods, and major library aids, such as the card catalog, classification and subject heading guides, general periodical and newspaper indexes, encyclopedias, dictionaries, almanacs, handbooks and yearbooks. This is a survey course to acquaint the student with a library's potential to answer his information needs as a student, civilian, researcher, or business person.

LIBRARY SCIENCE 111—Special Periodicals and Bibliographies. (1-0-1).

A self-instructional survey of special periodical and book indexes as well as atlases; gazetters; biographical tools; reviews and criticisms; and national, state, local, and selected international and foreign documents, guides and tools.

* LIBRARY SCIENCE 310—Reference Materials. (5-0-5).

Study and evaluation of basic reference sources for effective reference service in elementary and secondary schools. Designed to give the student a working knowledge of a library as an information and resource center.

LIBRARY SCIENCE 311—Principles of Library Research and Materials. (1-0-1).

A study of general research methodology and tools. The methodology aspect will focus on two main areas of concern, (1) the question-transfer and negotiation process, and (2) the ability to recognize ready reference, bibliographic and evaluative reference/research questions. The study of tools will focus on the recognition and application of the proper sources for solution. A research project approved by the professor is required as partial requirement for completion of course.

LIBRARY SCIENCE 312—Information Resources in the Humanities. (1-0-1).

Extensive study of basic and advanced reference materials and search techniques in the Humanities.

LIBRARY SCIENCE 313—Information Resources in the Social Sciences. (1-0-1).

Extensive study of basic and advanced reference materials and search techniques in the Social Sciences.

LIBRARY SCIENCE 314—Information Resources in the Sciences. (1-0-1).

Extensive study of basic and advanced reference materials and search techniques in the Sciences.

* LIBRARY SCIENCE 320—Cataloging and Classification of School Library Materials. (5-0-5).

Introduction to the basic principles of cataloging and classification of books and audiovisual materials through the use of Dewey and Library of Congress classification. The card catalog, shelf list, physical procession, and procedure for ordering and using printed cards will be studied.

* LIBRARY SCIENCE 410—Materials Selection. (5-0-5). Offered on demand.

* This course partially satisfies the certification requirement for the Associate Library Media Specialist (Georgia State Department of Education).

Selection and evaluation of books and non-book materials; emphasis on those which meet curriculum needs and interest, and which represent various levels of difficulty; ways of stimulating their use. Attention will be given to selection aids and reading guidance.

* LIBRARY SCIENCE 420—School Library Administration and Organization. (5-0-5). Offered on demand.

Basic organization of books, non-book materials, and services for effective use in school libraries. Administering the budget, purchase of materials, personnel, circulation, inventory, weeding, and instruction in the use of library materials will be considered. Examination of the improvement of instruction by correlating library use with school curricula.

Course Offerings

SPEECH CORRECTION

SPECIAL EDUCATION 205—Introduction to Exceptional Children. (5-0-5). Fall, Winter, Spring.

An orientation to exceptional children with emphasis on educational implications and rehabilitation requirements. Includes classroom discussion of and visitations to facilities for training.

SPECIAL EDUCATION 225—Phonetics for Speech Correctionists. (2-6-5). Spring.

Deals with the use of the International Phonetic Alphabet (IPA) in speech correction, IPA transcription of normal and defective articulation and the important characteristics of regional dialects are stressed.

SPECIAL EDUCATION 230—Anatomy and Physiology of the Speech and Hearing Mechanism. (4-2-5). Fall.

Anatomy and physiology of the head, neck, and thorax from a speech and hearing standpoint. Special emphasis is placed on functional considerations of the respiratory system, larynx, oral and nasal structures, and ear.

SPECIAL EDUCATION 315—Normal Speech and Language Development. (4-2-5). Winter.

The study of normal language development. This course traces developmental scales of speech and language growth across various age levels and includes the relationship between speech and language. Observations.

SPECIAL EDUCATION 320—Psychology of Speech. (4-2-5). Spring.

Basic principles of psychology as they apply to speech, with emphasis on learning, motivation, emotions, intelligence, personality, social relations, and psychological effects of speech disorders. Observations.

* This course partially satisfies the certification requirement for the Associate Library Media Specialist (Georgia State Department of Education).

SPECIAL EDUCATION 335—Speech Science. (3-4-5). Fall.

Speech communication from a psychophysical standpoint. Study focuses on acoustics, physics of speech, transmission media, and physical analysis of speech.

SPECIAL EDUCATION 410—Group Processes and Program Administration. (3-4-5). Spring. Prerequisite: Permission of instructor.

Administration of public school speech correction programs and methods of public school speech correction as related to working with children in groups. Characteristics of task oriented small group behavior and interaction are studied. Supervised clinical practice.

SPECIAL EDUCATION 411—Stuttering. (4-2-5). Spring. Prerequisite: Permission of instructor.

An introduction to the problem of stuttering, its possible causes and the management and training of cases. Observations.

SPECIAL EDUCATION 412—Language Disorders. (4-2-5). Winter. Prerequisite: Permission of instructor.

An introduction to language disorders of children and adults. Etiologies, evaluation procedures, and therapeutic approaches are studied. Major emphasis will be given to delayed language development and aphasia. Supervised clinical practicum.

SPECIAL EDUCATION 413—Organically Based Communication Problems. (4-2-5). Winter. Prerequisite: Permission of instructor.

The course includes a study of the communication problems related to disorders of voice, cleft palate, and cerebral palsy. Supervised clinical practicum.

SPECIAL EDUCATION 415—Articulation Disorders. (2-6-5). Winter. Prerequisite: Special Education 225.

A study of the etiology, rationale, evaluation, and methods of therapy for disorders of articulation. The course includes the development of a therapeutic program, lesson plans, and supervised clinical practice.

SPECIAL EDUCATION 420—Introduction to Audiology. (2-6-5). Fall Prerequisite: Permission of instructor.

An introduction to the methods of hearing assessment through pure tone and speech audiometry, with a focus on rehabilitation of the hearing impaired. Supervised clinical practice.

SPECIAL EDUCATION 422—Manual Language for the Deaf. (4-2-5). Offered on demand.

A study of the practices, procedures and methods in teaching manual language to the deaf, with a review of the historical philosophies and current trends and literature. At the conclusion of the course the student will have a working ability to communicate with a manual deaf individual as well as the ability to teach young deaf children the process of manual language.

ENGLISH

(See listing under Department of Languages and Literature.)

ENTOMOLOGY

(See listing under Department of Biology.)

DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Associate Professor Brandon; Assistant Professors Ambrose, Cone, and McKinnell; Instructors Lemmen, Radebaugh and Reese.

Degree Programs in Music

The Department of Fine Arts offers the Bachelor of Arts degree with a major in music, the Bachelor of Music Education degree, and the Associate in Arts degree with a concentration in Art. The Bachelor of Music Education Degree is given in cooperation with Savannah State College.

Admission Requirements

Since the college-level study of music presupposes a considerable background in music, as well as an aptitude for it, an audition is required for admission to the music degree program. The audition will be used to determine the student's level of proficiency in his instrument and his potential for success in the program.

Programs for the Degrees
Bachelor of Arts with a Major in Music
Bachelor of Music Education

	Quarter Hours
A. General Requirements*	71
1. English 111, 112, 221	15
2. Music 200 or 210	5
3. History 114, 115, and 251 or 252	15
4. Mathematics 101, 290	10
5. Political Science 113	5
6. One of the following courses: Psychology 101 (required in the B.M.Ed. program), Economics 201, Sociology 201, Criminal Justice 100, Anthropology 201	5
7. Laboratory science sequence	10
8. Physical Education 103 or 108 and 177 and three activity courses	6
B. Courses in the Major Field: Music 111, 112, 113, 140, (6 credits); 211, 212, 213, 240 (6 credits), 251 or 254 (6 credits), 312, 340 (6 credits), 371, 372, 373	54

* Certain courses may be exempted by examination with credit awarded. See p. 35.

C. Additional Requirements for the
Bachelor of Arts Degree only 66
1. Music 281, 412, 440 12
2. Music electives 9
3. Two courses selected from: 10
Art 271, 272, 273
4. Foreign Language 101, 102, 103 15
5. Electives 20
6. Recital

C. Additional Requirements for the
Bachelor of Music Education Degree only 69-70
1. Music 230, 232, 233, 235, 281, 350, ... 19
351, 361, 400
2. One of the following options: 10-11
a. (Choral emphasis) Music 228, 353, 480, and one course from 414, 415, or 416
b. (Instrumental emphasis) Music 227, 231, 234, 352, 481, and one course from 417, 418, or 419
c. (Keyboard emphasis)Music 227, 352 or 353, 420, 421, 480 or 481
3. Education 203, 330, 446, 447, 448 25
4. Psychology 301 and Special Education 205 10
5. Drama/Speech 228 5

D. Regents and Exit Examinations

TOTAL, Bachelor of Arts Degree 191
TOTAL, Bachelor of Music Education Degree 194-195

Programs for the Degree
Associate in Arts
(with a concentration in Art)

The Department of Fine Arts offers an organized concentration in Art within the Associate in Arts degree structure.

Quarter Hours

A. General Requirements* 63
1. English 111, 112, 211 and Art 271 20
2. History 114, 115, Political Science 113, and History 251 or 252 20
3. Mathematics 101 and 103, or 195, or 220 or 290 10
4. Laboratory science sequence 10
5. Physical Education 3

B. Concentration 30
1. Art 111, 112, 271, 273 20
2. Ten hours chosen from: 10
Art 201, 202, 213, 330, and 331

C. Regents and Exit Examinations

TOTAL 93

Additional Requirements for Music Majors

1. Meet a recital attendance requirement as directed by the faculty.
2. Enroll for applied music each quarter until the applied music requirement has been met (except when student teaching).

* Certain courses may be exempted by examination with credit awarded. See p. 35.

3. Participate in a large ensemble of the college each quarter of attendance (except when student teaching). Voice principals are required to enroll for chorus and band instrument principals for concert band. Students with a choice of ensemble must remain in the chosen ensemble for the duration of the academic year. Upon recommendation of the applied music instructor in the principal instrument, a keyboard student may substitute accompanying for participation in a large ensemble. However, a minimum of six quarters of large ensemble is required.

4. Participate in student recitals as directed by the applied music instructor. A student must perform on a quarterly student recital at least once a year.

5. Attain minimum keyboard proficiency (the ability to play simple hymns, standard cadences and simple piano pieces). a piano proficiency examination will be given annually during the Spring Quarter to all students whose principal instrument is not keyboard

6. Present a recital as required in the specific degree program. For the B.A. degree with a concentration in performance, a half recital in the junior year and a full recital in the senior year are required. With a concentration in theory-composition the presentation of a program of original compositions or a comparable practical exercise is required. For the B.M.E. degree, a half recital in the senior year is required. In the B.M.E. program, upon recommendation of the applied music instructor, a jury examination may be substituted for the recital.

The applied music level for entering or transfer students will be determined by audition. In the *Bachelor of Arts* degree program a minimum of eighteen hours of applied music will be in the principal instrument, with a least six credits at the 440 level. In the *Bachelor of Music Education* degree program, a minimum of twelve hours of applied music will be in the principal instrument with at least six credits at the 340 level. The quarterly applied music grade will be determined in part by a jury examination before a committee of the music faculty.

APPLIED MUSIC FEES

Applied music courses consist of one twenty-five minute private lesson per week (Music 130) or a combination of private and class lessons (Music 140, 240, 340, 440). A special fee of $31.00 for Music 130 or $62.00 for the Music 140 series is charged quarterly to student not admitted to a music degree program, to music majors enrolled for less than ten hours, and to music majors enrolled for more than one applied course. The applied music fee is refundable only if the student does not meet his first scheduled lesson.

APPLIED MUSIC

MUSIC 130—Applied Music. (one credit). Prerequisite: Sufficient music background, determined by audition or Music 100.

One twenty-five minute lesson per week in brass, organ, percussion, piano, strings, voice, or woodwinds. Applicable to a music degree only for secondary applied credit. May be repeated for credit.

MUSIC 140—Applied Music. (two credits). Prerequisite: Open to music majors and a limited number of non-majors by audition only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUSIC 240—Applied Music. (two credits). Prerequisite: Competency at the Music 140 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUSIC 340—Applied Music. (two credits). Prerequisite: Competency at the Music 240 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings voice or woodwinds. May be repeated for credit.

MUSIC 440—Applied Music. (two credits). Prerequisite: Competency at the Music 340 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings voice or woodwinds. May be repeated for credit.

MUSIC

MUSIC 100—Rudiments of Music. (5-0-5). Offered on demand.

An introduction to the principles of music reading with applications to the keyboard, guitar and simple wind instruments. May not be used for credit toward a degree in music.

MUSIC 111—Elementary Theory. (3-2-3). Fall.

An introduction to the basic theoretical principles of music including sightsinging, eartraining and keyboard harmony.

MUSIC 112—Elementary Theory. (3-2-3). Winter.

A continuation of Music 111 with emphasis on part-writing and diatonic material.

MUSIC 113—Elementary Theory. (3-2-3). Spring.

A continuation of Music 112 introducing seventh chords and diatonic modulation.

MUSIC 200—Introduction to Music Literature. (5-0-5). Fall, Spring.
A course designed to help the student understand music by means of analysis of style, forms, and media of musical expression.

MUSIC 210—Honors Introduction to Music Literature. (5-0-5). Winter and Summer. Prerequisites: Music major status or permission of the instructor.
A course designed for the student with a practical musical background or previous listening experience. Emphasis will be on the devlopment of perception of style and form through listening. May be used as a substitute for Music 200 in the Core Curriculum.

MUSIC 211—Intermediate Theory. (3-2-3). Fall Prerequisite: Music 113.
A continuation of Music 113 with emphasis on chromatic harmony.

MUSIC 212—Intermediate Theory. (3-2-3). Winter.
A continuation of Music 211.

MUSIC 213—Intermediate Theory. (3-2-3). Spring.
A continuation of Music 212 with emphasis on twentieth century techniques.

MUSIC 226—Class Piano I, II, III. (0-2-1). Offered on demand. Prerequisites: Music major status or permission of instructor.
A study of keyboard techniques with empahsis on the skills needed to fulfill the piano proficiency requirement.

MUSIC 227—Class Voice. (0-2-1). Offered on demand. Prerequisites: Music major status or permission of instructor.
A study of voice production techniques with pratical application to standard song literature. Not open to students whose principal instrument is voice.

MUSIC 228—Diction in Singing. (2-0-2). Winter.
A study of phonetics and pronunciation of Italian, German, French, and English as applied to singing.

MUSIC 230—Brass Methods. (0-2-1). Prerequisite: Music 113.
An introduction to the principles of brass instrument performance and pedagogy.

MUSIC 231—Brass Methods. (0-2-1). Prerequisite: Music 230.
Continuation of Music 230.

MUSIC 232—Percussion Methods. (0-2-1). Prerequisite: Music 113.
An introduction to the principles of percussion instrument performance and pedagogy.

MUSIC 233—Woodwind Methods. (0-2-1). Prerequisite: Music 113.
An introduction to the principles of woodwind instrument performance and pedagogy.

MUSIC 234—Woodwind Methods. (0-2-1). Prerequisite: Music 233. Continuation of Music 233.

MUSIC 235—String Methods. (0-2-1). Prerequisite: Music 113. An introduction to the principles of string instrument performance and pedagogy.

MUSIC 251—Symphonic Wind Ensemble. (0-5-2). Open to qualified students.

MUSIC 252—Jazz Ensemble. (0-2-1). Open to qualified students.

MUSIC 254—Chorus. (0-3-1). Open to qualified students.

MUSIC 255—Chamber Ensemble. (0-2-1). On demand. Open to all qualified students in the performing media of brass, woodwind, string, keyboard, voice, and percussion instruments.

MUSIC 256—Keyboard Accompanying. (1-0-1). On demand.

MUSIC 257—Opera Workship. (1-0-1).

* MUSIC 281—Conducting. (3-0-3). Alternate years. Prerequisite: Music 113. An introduction to the techniques of conducting and interpretation.

* MUSIC 312—Form and Analysis. (3-0-3). Prerequisite: Music 213. The study of the principles of form in music and techniques of harmonic analysis.

MUSIC 320—Music for the Elementary Teacher. (5-0-5). Winter. Summer. An introduction to music skills and materials for the elementary classroom teacher. Not open to music majors.

* MUSIC 350—Music in the Lower School. (3-0-3). Fall A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the lower school.

* MUSIC 351—Music in the Middle and Upper School. (3-0-3). Spring. A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the junior and senior high schools.

MUSIC 352—Band Methods. (2-0-2). Offered on demand. A course dealing with the organization, maintenance and development of school instrumental ensembles.

MUSIC 353—Choral Methods. (3-0-3). Offered on demand. Prerequisite: Music 227.

* May be taken at Savannah State College.

A course dealing with the organization and development of school choral organizations, problems of choral singing, and fundamentals of choral conducting.

* MUSIC 361—Orchestration and Arranging. (3-0-3). Offered on demand. Prerequisite: Music 213.

An introduction to the techniques of arranging and scoring for vocal and instrumental ensembles.

* MUSIC 371—Music History. (3-0-3). Prerequisite: One year of music theory or permission of the instructor.

* MUSIC 372—Music History. (3-0-3). Prerequisite: One year of music theory, or permission of the instructor.

The history of music in Western Civilization in the Baroque and Classic periods.

* MUSIC 373—Music History. (3-0-3). Prerequisite: Music 213 or permission of the instructor.

The history of music in Western Civilization in the Romantic Period and in the 20th century.

MUSIC 400—Seminar in Music Education. (3-0-3). Offered on demand. Prerequisites: Music 350, 351.

A survey course for music education majors of current trends in instruction and research techniques.

MUSIC 411—Composition. (1 to 5 hours). Offered on demand. Prerequisites: Music 213,312.

MUSIC 412—Counterpoint. (3-0-3). Offered on demand. Prerequisite: Music 213.

A study of contrapuntal practices of the Renaissance, Baroque and 20th century music.

MUSIC 414—Song Literature I. (2-0-2). Fall.

A survey of German song literature.

MUSIC 415—Song Literature II. (2-0-2). Winter.

A survey of French song literature.

MUSIC 416—Song Literature III. (2-0-2). Spring.

A survey of the song literature of English, Italian and Russian music and others.

MUSIC 417—Repertoire and Pedagogical Techniques of Brass Instruments. (2-0-2). Prerequisite: Junior status or permission of the instructor.

A survey of the literature and teaching techniques of the brass instruments.

* May be taken at Savannah State College.

MUSIC 418—Repertoire and Pedagogical Techniques of Woodwind Instruments. (2-0-2) Prerequisite: Junior status or permission of the instructor.

A survey of the literature and teaching techniques of the woodwind instruments.

MUSIC 419—Repertoire and Pedagogical Techniques of Percussion Instruments. (2-0-2). Prerequisite: Junior status or permission of the instructor.

A survey of the literature and teaching techniques of the percussion instruments.

MUSIC 420-421—Piano Literature. (2-0-2 each course).

A survey of literature for the piano.

MUSIC 422—Opera Literature. (5-0-5). Offered on demand. Prerequisites: Music 371, 372, 373 or permission of the instructor.

A study of operatic masterpieces from the origins of the form to the present.

MUSIC 480—Advanced Choral Conducting. (3-0-3). Offered on demand. Prerequisites: Music 281, 312, 361.

Advanced techniques for the choral conductor.

MUSIC 481—Advanced Instrumental Conducting. (3-0-3). Offered on demand. Prerequisites: Music 281, 312, 361.

Advanced techniques for the instrumental conductor.

MUSIC 490—Directed Individual Study. (1 to 5 credits). Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Course Offerings

ART

ART 111—Basic Design I. (0-10-5). Fall.

An introduction to two-dimensional design through problems in drawing, composition, and color.

ART 112—Basic Design II. (0-10-5). Spring.

The fundamentals of three-dimensional design introduced through sculptural projects in various media.

ART 200—Introduction to the Visual Arts. (5-0-5). Fall. Spring.

A study of artistic theories, styles, media and techniques and their application in masterworks of art from all ages. Not recommended for art majors.

ART 201—Painting I. (0-6-3). Fall. Prerequisite: Art 111 or permission of Instructor.

An introduction to painting in oils from various observed subjects and from sketches.

ART 202—Painting II. (0-6-3). Winter. Prerequisite: Art 111 or permission of Instructor.
A continuation of ART 201.

ART 213—Figure Drawing. (0-6-3). Spring. Prerequisite: Art 111 or permission of Instructor.
An introduction to drawing the human figure. Includes basic anatomy for the artist, the study of master drawings of the human figure, and drawing directly from live models.

ART 271—History of Art. (5-0-5). Fall.
A survey of the visual arts in Western Civilization from archaic Greece to the Late Middle Ages.

ART 272—History of Art. (5-0-5). Winter.
A continuation of Art 271. Renasissance through Rococo art.

ART 273—History of Art. (5-0-5). Spring.
A continuation of Art 272. Nineteenth and twentieth century art.

ART 301—Painting III. (0-10-5). Offered on demand. Prerequisites: Art 111 and 201 or 202.
Advanced techniques directed toward figurative images. Pictorial composition. Includes study of selected master painters regarding their technical means and aesthetic accomplishments.

ART 302—Painting IV. (0-10-5). Offered on demand. Prerequisite: Art 301.
A continuation of Art 301. Includes non-figurative and abstract images.

ART 320—Art for the Elementary Teacher. (4-2-5). Winter, Summer.
A study of materials and methods for teaching art at the elementary school level.

ART 330—Ceramics I. (0-10-5). Fall, Winter. Prerequisites: Art 111 or 112, or permission of Instructor.
Fundamentals of hand-built stoneware pottery including pinch, coil and slab construction, glaze-making, kiln loading and firing. Additional experiences may include primitive firing or Raku.

ART 331—Ceramics II. (0-10-5). Winter, or on demand. Prerequisite: Art 330.
Fundamentals of wheel-thrown pottery plus a more intensive exploration of glazing and firing including Raku.

ART 332—Special Problems in Ceramics. (0-10-5). Offered on demand. Prerequisite: Ceramics 330.
The content of this class is flexible and may include in-depth experiences in any of the following: Raku firing, primitive firing, kiln construction, building of pottery equipment (wheels, tools, etc.), glaze calculation, etc.

ART 350—Serigraphy. (0-10-5). Offered on demand. Prerequisite: Art 101 or 102.

An introduction to printmaking through the process of silk screen printing. The entire process will be covered including the construction of screen printing equipment, preparation of special printing inks and various stencils (glue, tusche, paper, photo-emulsion, etc.) and matting of the finished prints.

FRENCH

(See listing under Department of Languages and Literature.)

GEOGRAPHY

(See listing under Department of History and Political Science.)

GEOLOGY

(See listing under Department of Chemistry and Physics.)

GERMAN

(See listing under Department of Languages and Literature.)

HEALTH

(See listing under Department of Physical Education.)

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

Professor Roger K. Warlick, Head; Professors Beecher, Coyle, Duncan, Gross, Lanier, and McCarthy; Associate Professors Clark, Patterson, and Newman; Assistant Professors Arens, Boney, Comaskey, Rhee, and Stone.

All students are reminded that any who receive degrees from the University System of Georgia are required to demonstrate proficiency in U.S. and Georgia History and Constitutions. This requirement may be met by the successful completion of Political Science 113 and History 251 or 252 or may be exempted by examination with credit awarded. See "Academic Regulations" section.

A major in Political Science or History is most useful to those who plan to enter teaching, library or archival work, publishing, journalism, or such professional fields as international business, law or theology. Either major is also a desirable foundation for opportunities in or related to government (e.g., civil and foreign service, A.I.D., U.S.I.A., ACTION, teaching abroad, etc.). Beyond these fields there is an enormous variety of organizations (local, national, and international) whose philanthropic,

sectarian, or economic interests require people with the skills and sensitivity developed by a major in History or Political Science.

The Major in History

Students majoring in History should salisfy the college core requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. To complete the major requires, beyond Western Civilization (History 114-115) and U.S. History (History 251-252), forty quarter hours from courses numbered 300 or above (with grades of "C" or better) including History 300. Students should register for History 300 in the Sophomore or early in the Junior year, or in the first possible quarter after making the decision to major in History. The major program must also include (a) 25 quarter hours as approved by faculty advisor in related fields such as: anthropology, history of art and music, economics, literature, political science, philosophy, psychology, sociology, or statistics; and (b) a fifteen quarter hour foreign language sequence, or proficiency in a language through the 103 level. Students who contemplate graduate work in history, however, are strongly advised to continue their linguistic study beyond this elementary level. The history faculty will consider substitutions only when compelling reasons argue against fulfilling the language requirement and only when the proposed substitute offers an additional research skill or a study in depth of a foreign culture. In selecting course work, a student may emphasize the history of one particular area (e.g., U.S., European, or Russian-Asian-Latin American), but must take at least 10 quarter hours of history outside the area of concentration. Opportunities for Independent Study work exist in all three concentration areas, but no more than 10 such hours may be counted among the 40 (forty) upper division history hours required in the major.

Graduate courses (500 level) are open to qualified undergraduates with advisor approval and permission of instructor.

Program for the Degree
Bachelor of Arts with a Major in History

	Quarter Hours
A. General Requirements*	91
1. English 111, 112, 211 and one of the following: Art 200, 271, 272, 273; Music 200; Philosophy 201; English 222	20
2. Mathematics 101; Mathematics 195, 220, or 290	10
3. Laboratory Science Sequence	10
4. History 114, 115, History 251, 252	20
5. Political Science 113 and one of the following: Psychology 101, Anthropology 201, Sociology 201, Economics 201, Criminal Justice 100	10
6. Foreign Language 101, 102, 103	15
7. Physical Education 103 or 108 and 117 and three activities courses	6

* Certain courses may be exempted by examination with credit awarded. See p. 35.

B. Courses in Major Field 40
1. History 300 5
2. History courses 300 level or above (with at least 10 quarter hours outside area of concentration) 35

Concentration Areas:
a) U.S History:
HIS. 351, 352, 365, 367, 371, 373, 375, 376, 378, 379, 400, 454 455, 485-486, 496, 505, 514, 515, 516
b) European History:
HIS. 333, 336, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349 350, 410, 483-484, 495
c) Russian-Asian-Latin American:
HIS. 320, 321, 322, 329, 330, 431, 481-482, 535

C. Courses in Related Fields 25
To be chosen in fields such as anthropology, history of art, and music, economics, literature, foreign languages political science, sociology, psychology or statistics

D. Electives 35

E. Regents and Exit Examinations

TOTAL 191

Major in Political Science

Students majoring in Political Science should satisfy the college core requirements for the Bachelor of Arts during their Freshman and Sophomore years. To complete a Political Science major requires, beyond American Government (113), forty quarter hours of upper division courses in the field (with grades of "C" or better). Further, the program must include at least one course from each of the following groups:

I. American Political Institutions

II. International Relations

III. Political Theory

IV. Comparative Government

The major's program must also include Mathematics 220, and at least 25 hours of course work in such fields as Economics, History, Geography, Mathematics, Computer Science, Philosophy, Psychology, or Sociology.

The Political Science major allows the option of a foreign language (French or German preferred) through the 103 level or a sequence of computer science courses. Students who contemplate graduate work in Political Science, however, are strongly advised to take the foreign language option and to continue their linguistic study beyond the 103 level.

	Quarter Hours
A. General Requirements*	86
1. English 111, 112, 211 and one of the following: Art 200, 271, 272, 273; Music 200; Philosophy 201; English 222	20
2. Mathematics 101, 220	10
3. Laboratory Science Sequence	10
4. History 114, 115; History 251, or 252	15
5. Political Science 113 and one of the following: Psychology 101, Anthropology 201, Sociology 201, Economics 201, Criminal Justice 100	10
6. Foreign Language 101, 102, 103 or Computer Science 110, 231, and Computer Science 232 or 241	15
7. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in Major Field	40
At least five quarter hours must be taken from each of the following areas:	
a) American Political Institutions: POS. 300, 304, 305, 317, 318, 403, 418, 511	
b) International Affairs: POS. 320, 325, 326, 329	
c) Political Theory: POS. 331, 332, 333, 535	
d) Comparative Government: POS. 341, 348, 349, 540, 546	
C. Courses in Related Fields	25
To be chosen in fields such as Computer Science, Economics, Geography, History, Mathematics, Philosophy, Psychology, or Sociology	
D. Electives	40
E. Regents and Exit Examinations	
TOTAL	191

Public Administration

Public Administration may serve as an area of emphasis within the Political Science major. Interested students should consult with the political science faculty or the Head of the Department of History and Political Science to plan a program including a Public Administration emphasis. A baccalaureate degree program in Public Administration has been approved by the faculty and submitted to the Board of Regents of the University System of Georgia for its approval. Students who might have an interest in this degree program should consult with the Head of the Department of History and Political Science to determine the current status of the program.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

Program for Secondary School Teachers
of Social Science
(History or Political Science)

Quarter Hours

A. General Requirements* 86
1. English 111, 112, 211 and one of the following: 20
Art 200, 271, 272, 273; Music 200;
Philosophy 201; English 222
2. Foreign Language 101, 102, 103 (required in the history concentration) or Computer Science 110 231, and Computer Science 232 or 241 (allowed in the political science concentration) 15
3. History 114, 115; History 251 or 252 15
4. Political Science 113 and Psychology 101 10
5. Mathematics 101, 220 10
6. Laboratory Science Sequence 10
7. Physical Education 103 or 108 and 117 and three activities courses 6

B. Courses in *History Concentration Only* 70
1. History 300 5
2. U.S. History 10-15
History 371 (required if History 252 was taken in the General Requirements) or History 378 (required if History 251 was taken in the General Requirements); five to ten hours to be selected from History 351, 352 365, 367, 373, 375, 376, 379, 400, 454, 455, 485-486 496, 505, 514, 515, 516
3. Russian, Asian, Latin-American History 10
To be selected from History 320, 321, 322 329, 330, 431, 481-482, 535
4. European History 10-15
To be selected from History 333, 336, 340 341, 342, 343, 344, 345, 346, 347, 348 349, 350, 410, 483-484, 495
5. Supporting work 30
To be selected from *two* of the following fields, with a minimum of ten quarter hours to be taken from each field:
(a) approved upper division electives in political science;
(b) Economics 201 and approved upper division electives;
(c) approved electives in behavioral sciences (sociology, anthropology, and psychology)

Courses in *Political Science Concentration Only* 70
1. Approved courses from each of the following areas: 40
(a) Political Institutions (300, 304, 305 317, 318, 403, 418, 511);
(b) International Relations (320, 325, 326, 329);
(c) Political Theory (331, 332, 333, 535);
(d) Comparative Government (341, 348, 349, 540, 546).
2. Supporting Work 30
To be selected from *two* of the following fields, with a minimum of ten quarter hours to be taken from each field:
(a) History 251 or 252 and approved upper division history electives;
(b) Economics 201 and an approved upper division elective;
(c) approved electives in behavioral sciences (sociology, anthropology, and psychology)

* Certain courses may be exempted by examination with credit awarded. See p. 35.

C. Professional Sequence 40
1. Psychology 301, Special Education 205 10
2. Education 203, 330, 440, 446, 447, 448 30

D. Regents and Exit Examinations

TOTAL, BOTH CONCENTRATIONS 196

Course Offerings

HISTORY

HISTORY 114—Civilization I. (5-0-5). Offered each quarter.

A survey of the main currents of political, social, religious, and intellectural activity from the time of the ancient Middle-eastern civilizations to 1715. Throughout the course the major civilized traditions are considered and comparative methods used to facilitate interpretation of them.

HISTORY 115—Civilization II. (5-0-5). Offered each quarter.

A continuation of History 114 to the present.

HISTORY 191—Honors Civilization I. (5-0-5). Fall. Prerequisite: B's or better in High School History and an SAT (Verbal) score of at least 550.

This course replaces History 114 for selected students, While the subject matter will be the same as for History 114, the treatment of it will vary greatly. Likewise, instruction will go beyond the usual lecture method, allowing students to read widely and carry out their own research under the direction of the professor.

HISTORY 192—Honors Civilization II. (5-0-5). Winter, Prerequisite: History 191 or a grade of "A" in History 114.

A continuation of History 191, this course replaces History 115.

HISTORY 251—American History to 1865. (5-0-5). Offered each quarter. Prerequisite: eligibility for English 111.

A survey of the political, economic, and social history of the United States to the end of the Civil War.

HISTORY 252—American History Since 1865. (5-0-5). Offered each quarter. Prerequisite: eligibility for English 111

A survey of the political economic, and social history of the United States from 1865 to the present.

HISTORY 300—Historical Method. (3-0-5). Summer and Winter. Required of all History majors.

An introduction to the nature and method of historical research, treating problems of investigation, organization, and writing through discussion and actual research experience in local history.

HISTORY 395—Internship. (Credit variable, up to 5 hours). Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes. Prerequisite:

Junior (with 3.5 GPA) or Senior standing (with 3.0 GPA minimum).

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty advisor. Application and credit arrangements must be made through the department by mid-quarter preceding the quarter of the internship.

UNITED STATES HISTORY

HISTORY 351—History of American Thought I. (5-0-5). Fall, 1977.
An examination of the principal trends in American thought to 1865.

HISTORY 352—History of American Thought II. (5-0-5). Fall, 1978.
A continuation of History 351 to the present.

HISTORY 365—The American Indian. (5-0-5). Spring, 1979.
A study of the history and cultures of the aborigines of the Americas.

HISTORY 367—American Urban History. (5-0-5). Spring, 1978.

A study of the process of urbanization in America from colonial times to the present, with attention to the causes of urban expansion, institutional development, class structure and mobility, problems of the city, reform, the image of the city in popular thought, and the impact of urbanization on national life.

HISTORY 371—Colonial and Revolutionary America. (5-0-5). Spring, 1978.

A study of the discoveries of the New World and the settlement and growth of the English colonies of North America, the American triumph over France in the New World, the drastic change in British colonial policy and the rise of American opposition to it, the achievement of independence and the establishment of the United States under the Constitution.

HISTORY 373—The Middle Period of American History. (5-0-5). Spring, 1979.

The political, economic, and cultural development of the Republic from 1820 to the decade of the 1850's with particular attention to Jacksonian Democracy, slavery and abolitionism, and the impact of westward expansion.

HISTORY 375—Civil War and Reconstruction. (5-0-5). Winter.

The causes and significance of the American Civil War, with minor consideration of the military campaign; political, economic and social aspect of reconstruction.

HISTORY 376—Foundations of Modern America. (5-0-5). Winter, 1978.

An analysis of institutions and forces which molded American life in the late 19th and eary 20th centuries, including politics, economics, society, and thought.

HISTORY 378—Recent American History. (5-0-5). Spring, 1978.
The course covers twentieth century American History, with emphasis on political, economic, and social issues.

HISTORY 379—Contemporary America. (5-0-5). Spring, 1979.
An examination of the society of the United States since World War II, with special emphasis given to the major social and cultural trends.

HISTORY 400—Seminar in American History. (5-0-5). Permission of instructor required for admission. Offered on demand.
Designed to permit a group of advanced students to pursue intensive research on a special topic in the field to be defined by the instructor.

HISTORY 454—Studies in American Diplomacy I. (5-0-5). Fall, 1977. Prerequisite: History 251, or equivalent.
Considers American objectives and policies in foreign affairs from colonial times to 1890.

HISTORY 455—Studies in American Diplomacy II. (5-0-5). Winter, 1978. Prerequisite: History 252, or equivalent.
A continuation of History 454 to the present.

HISTORY 485-486—Independent Study in United States History. (1-5 hours credit). Available each quarter. Prerequisites: a minimum of 120 credit hours, including 20 hours in History at the 300-level or above. Admission by approval of Departmental committee. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.
Designed to permit superior students to pursue individual research and reading in the field under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor, and written reports and essays. Normally open only to students with a B average (3.0) in History and at least a 2.5 GPA overall. Application must be filed with the Department by mid-quarter preceding the quarter of the Independent Study contemplated.

HISTORY 496—American Historiography. (5-0-5). Spring, 1978.
A study of the writing of American history from colonial times to the present with emphasis on the historical philosophies and interpretations of the major schools of thought as well as individual historians. Recommended especially to students contemplating graduate work in History.

HISTORY 505—United States: 1914 to Present. (5-0-5). Summer, 1977.
Covering the most recent period in U.S. History, the course emphasizes political, economic, and social issues.

HISTORY 514—United States: Diplomatic History I. (5-0-5). Fall, 1978.

Considers American objectives and policies in foreign affairs from colonial times through the Civil War.

HISTORY 515—United States: Diplomatic History II. (5-0-5). Winter, 1979.

A continuation of History 514 to the present.

HISTORY 516—United States: Constitutional History. (5-0-5). Summer, 1978.

A study of the origins, content, and expansion of the Constitution of the United States.

EUROPEAN HISTORY

HISTORY 333—Modern Germany; 1789-1933. (5-0-5). Offered on demand.

A study of Germany from the pluralism of the Holy Roman Empire through the German confederation to the unified Reich. Attention will be given to the political, social, and cultural developments in Austria, Prussia, and the "Third Germany."

HISTORY 336—Modern East Central Europe. (5-0-5). Fall, 1978.

A survey of the history of the nations between Germany and Russia in the 19th and 20th centuries. Topics to be covered include the rise of nationalism, the gaining of independence, problems in establishing democracy, experience during World War II, and the establishment of communist control.

HISTORY 340—English History, 1660-1815. (5-0-5). Spring, 1979.

An investigation of the Restoration monarchies, the constitutional revolution of 1688, the rise of ministerial responsibility in the early 18th century, the American colonial revolt, and England's relationship to the French Revolution.

HISTORY 341—English History 1485-1660. (5-0-5). Winter, 1979.

An analysis of political, constitutional, economic, and religious issues under the Tudors and early Stuarts, including the English Civil War.

HISTORY 342—Ancient History. (5-0-5). Offered on demand.

A study of the early civilizations of the Middle East, the Greek city states, the Roman republic and empire, with special emphasis on the social, political and cultural contributions of these ancient peoples.

HISTORY 343—Early Middle Ages, A.D. 333—c.1000. (5-0-5). Fall, 1978.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HISTORY 343—Early Middle Ages, A.D. 333—c.1000. (5-0-5). Fall, 1978.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HISTORY 344—The High Middle Ages, c.1000 to c.1300. (5-0-5). Winter, 1979.

The history of Europe from c.1000 to c.1300 with emphasis on the struggle between church and state, the Crusade movement, and the 12th century intellectual renaissance, all of which profoundly influenced the development of the various medieval kingdoms.

HISTORY 345—The Late Middle Ages and Renaissance. (5-0-5). Fall, 1977, evening.

The history of Europe from c.1300 to 1517 with emphasis on the political, cultural, and intellectual developments which transformed medieval and Renaissance society.

HISTORY 346—Reformation Era. (5-0-5). Fall, 1977.

A study of the controversial era emphasizing its major issues and movements, and their devlopment through the Thirty Years War. Political, social, and economic, as well as religious facets of the upheaval will be considered.

HISTORY 347—The French Revolution and Napoleon. (5-0-5). Fall.

The ideas and events of the Old Regime and the Enlightenment in France, with emphasis on the impact of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 348—The History of Europe from 1815 to 1900. (5-0-5). Winter, 1978, evening.

A study of the most important social, political, and intellectural directions of European history from the Congress of Vienna to the end of the nineteenth century.

HISTORY 349—Absolutism and the Enlightenment. (5-0-5). Winter, 1979.

The primary focus of this course is the social and intellectual history of western Europe during the seventeenth and eighteenth centuries.

HISTORY 350—Europe in the Twentieth Century. (5-0-5). Spring.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 410—Seminar in European History. (5-0-5). Permission of instructor required for admission. Winter, 1978.

A detailed analysis of a specific problem in European history by examination of primary materials.

HISTORY 483-484—Independent Study in European History. (1-5 hours credit.) Available each quarter.

See History 485-486 (United States History) for prerequisites and admission requirements.

HISTORY 495—European Historiography. (5-0-5). Fall, 1978.

A study of the writers of history in the Western cultural tradition, with an emphasis on the historical philosophies, interpretations, and problems raised by the major modern European historians. Recommended especially to students contemplating graduate work in History.

RUSSIAN, ASIAN, LATIN-AMERICAN HISTORY

HISTORY 320—The Civilization of China and the Far East, I. (5-0-5). Fall.

The history of East Asia civilization from ancient times through the eighteenth century, with emphasis on characteristic political, economic, and social developments.

HISTORY 321—The Civilization of China and the Far East, II. (5-0-5). Winter.

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322—History of Japan. (5-0-5). Spring.

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

HISTORY 329—Medieval Russia. (5-0-5). Spring, 1978.

A survey of the economic, social, and political development of the Russian state from its foundation in the 9th century through its modernization by Peter the Great in the early 18th century.

HISTORY 330—Modern Russia. (5-0-5). Winter.

A survey of Russian history from Peter the Great to the present. The major political, cultural, economic, and social developments of Russia in both the Imperial and Soviet periods will be covered.

HISTORY 431—The Russian Revolution. (5-0-5). Spring, 1978. Prerequisite: Permission of the instructor.

An examination of the Russian revolutionary tradition, the causes for the collapse of Tsarism, the Bolshevik Revolution, and victory in the Russian Civil War.

HISTORY 481-482—Independent Study in Russian/Asian/Latin-American History. (1-5 hours credit). Available each quarter.

See History 485-486 (United States History) for prerequisites and admission requirements.

HISTORY 535—History of Russian Foreign Policy. (5-0-5). Fall, 1977, evening.

This course reviews historically the development of Soviet foreign policy toward Western European states, notably Germany, and also with the non-European world through 1917-1940, World War II, and Cold War phases. Special attention will be given in this last phase to U.S.-Soviet rivalry, Soviet relations with other communist states in Eastern Europe, China, and with the Third World, and to the recent moves toward detente.

GEOGRAPHY

GEOGRAPHY 111—World Human Geography. (5-0-5). Winter and Summer, 1978

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geopolitical problems within the major geographic regions. Consideration of adequacy of resources to support expanding world populations.

POLITICAL SCIENCE

POLITICAL SCIENCE 113—Government of the United States. (5-0-5). Offered each quarter.

A study of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government.

POLITICAL SCIENCE 300—Political Behavior. (5-0-5). Winter. Prerequisites: Political Science 113 and Mathematics 220 or equivalent.

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of power, roles, groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theories, variables, and hypotheses used in empirical research in political science. Designed primarily for those students intending to go to graduate school.

POLITICAL SCIENCE 304—Politics of Bureaucracy. (5-0-5). Fall. Prerequisite: Political Science 113 or equivalent.

This is a one-quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. Attention will also be given the political process as it unfolds in the administration of laws enacted by the Congress.

POLITICAL SCIENCE 305—State and Local Government. (5-0-5). Spring. Prerequisite: Political Science 113 or equivalent.

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past

15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

POLITICAL SCIENCE 317—Constitutional Law I. (5-0-5). Fall. Prerequisite: Political Science 113 or equivalent.

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writing on judicial decision-making.

POLITICAL SCIENCE 318—Constitutional Law II. (5-0-5). Winter. Prerequisite: Political Science 113 or equivalent.

A continuation of Political Science 317.

POLITICAL SCIENCE 320—International Relations: The Far East. (5-0-5). Fall, 1979.

Contemporary international politics in the Far East are examined in terms of such broad historical trends as the decline of imperialism, the development of nationalism, and the rise of the U.S., U.S.S.R., People's Republic of China, and Japan as major powers in Asia.

Some attention will be given to contemporary key issues such as the Sino-Soviet conflict, the future of Formosa, U.S.-Japan Mutual Security Treaty revision, and U.S.-Japan economic interaction.

POLITICAL SCIENCE 325—International Organization. (5-0-5). Fall. Prerequisite: Political Science 113 or permission of instructor.

A survey of the development, principles, structures and functions of international organizations, with emphasis upon the role of these institutions in the maintenance of peace.

POLITICAL SCIENCE 326—International Law. (5-0-5). Spring. Prerequisite: Political Science 113 or permission of instructor.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

POLITICAL SCIENCE 329—International Relations. (5-0-5). Winter. Prerequisite: Political Science 113 or permission of instructor.

An introduction to the theories, forces, and practices dominating contemporary international relations.

POLITICAL SCIENCE 331—Political Theory I. (5-0-5). Fall.

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the Seventeenth Century. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

POLITICAL SCIENCE 332—Political Theory II. (5-0-5). Winter. Prerequisite: Political Science 331 or permission of instructor.

A continuation of Political Science 331, from the 17th to the 20th century.

POLITICAL SCIENCE 333—Contemporary Political Ideologies.. (5-0-5). Spring, evening. Prerequisite: Political Science 332 or permission of instructor.

A continuation of Political Science 332, including a general survey and analysis of the important ideological currents of our time with selected in-depth readings from original sources.

POLITICAL SCIENCE 341—Politics of Developing Nations. (5-0-5). Fall, 1978. Prerequisite: Political Science 113 or permission of instructor.

An analysis of the theories, concepts, and the process of the political development and modernization of the emerging nations.

A general introduction to the concepts and problems of political integration, transformation of political culture, elite recruitment/political socialization, and political processes of selected emerging nations.

POLITICAL SCIENCE 348—Comparative Government: Western Europe. (5-0-5). Spring, 1978. Prerequisite: Political Science 113 or permission of instructor.

An analytical and comparative study of the major Western European governments, with principal emphasis upon the analysis of the conditions which led to effective and stable parliamentary government and those which lead to the inefficiency, instability and breakdown of such systems.

POLITICAL SCIENCE 349—Comparative Government: Soviet Union. (5-0-5). Spring, 1979. Prerequisite: Political Science 113 or permission of instructor.

An analytical and comparative study of the political system of the U.S.S.R. and the Soviet bloc of nations in Eastern Europe.

POLITICAL SCIENCE 395—Internship. (Credit variable, up to 5 hours). Prerequisite: Junior (with 3.5 GPA) or Senior standing (with a 3.0 GPA minimum).

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full eleven-week quarter for completion, during which time the student will be under joint supervision by the sponsoring agency and his faculty advisor. Application and arrangements must be made through the department by mid-quarter preceding the quarter of the internship.

Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

POLITICAL SCIENCE 400—Senior Seminar. (5-0-5). Admission will be subject to approval of the instructor. Offered on demand.

Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff.

POLITICAL SCIENCE 403—Public Policy Development. (5-0-5). Winter. Prerequisite: Political Science 304 or permission of the instructor.

This course is primarily concerned with a study of the theoretical aspects of decision-making theories (i.e., rational/comprehensive model vs. incremental model), political aspects of policy-making process, mobilization of political support, and the cost/benefit aspects of the public policy-making.

Some attempt will be made to apply the general theory of public policy-making to specific settings of welfare policy, urban problems, and national defense/foreign policy.

POLITICAL SCIENCE 418—Administrative Law. (5-0-5). Spring. Prerequisite: Political Science 113.

This course explores the framework of law governing administrative agencies including: administrative power and its control by the courts, the determination and enforcement of administrative programs, discretion of administrative officials and their powers of summary actions, hearings before administrative boards, and the respective spheres of administrative and judicial responsibility.

Some attention will be given to the problem of the maintenance of traditional procedural safeguards in administrative law and the problem of civil rights with relation to administrative law and the problem of civil rights with relation to administrative boards. Leading cases will be examined.

POLITICAL SCIENCE 490-491-492—Independent Study. (1-5)-0-(1-5). Offered each quarter. Prerequisites: a minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a Departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of political science under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Application must be filed with the Department by mid-quarter preceding the quarter of the Independent Study contemplated.

Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

The following graduate courses in Political Science are open to qualified undergraduates with advisor approval and permission of the instructor.

POLITICAL SCIENCE 511—American Presidency.. (5-0-5). Summer.

Offers an in-depth survey of the office of the Presidency, with the principal emphasis on the relations of the executive branch with the Congress and the Court system. Some attention will be given to the evolution of the Presidency to its present dominant position in the American political process. (Completion of a survey course in American History is desirable.)

POLITICAL SCIENCE 535—Origins of Totalitarianism. (5-0-5). Summer, 1977; Fall 1978.

An analysis of the socio-psychological basis of modern totalitarian movements. Major emphasis will be placed on pre-World War II Nazi Germany.

POLITICAL SCIENCE 540—Comparative Political Analysis. (5-0-5). Summer, 1978.

This course is mainly theoretical. It deals with the various approaches, concepts, and methodologies that are being used in the analysis of comparative politics, viz: the traditional approach (formal-legal), group theory of politics, systems analysis, structural-functional analysis, communications theory, decision-making theory, game theory, etc. At the same time, each approach is examined as it is used in comparing the politics of various countries.

POLITICAL SCIENCE 546—Far Eastern Government and Politics. (5-0-5). Fall, 1977.

Description and comparative analysis of the political systems of Communist China and Japan. Special attention is given to historical development, political institutions and processes, political culture, political socialization, and contemporary problems.

JOURNALISM

(See listing under Department of Languages and Literature.)

DEPARTMENT OF LANGUAGES AND LITERATURE

Professor Hugh Pendexter, III, Head; Professor Emeritus Lubs; Professors Anchors, Easterling, Jones, Killorin, Strozier; Associate Professors Brooks, Noble; Assistant Professors Brown, Harris, Jenkins, Lawson, Ramsey, Suchower, Welsh and White.

Entering students should begin the required English composition sequence no later than the second quarter of their attendance. By doing so, students will have had the opportunity to complete the required sequence prior to taking the Regents Examination.

Students enrolled in degree programs which require a foreign language must show proficiency in the appropriate language at the required level by successfully completing standardized examinations administered by members of the foreign language faculty in the Department of Languages and Literature. This requirement applies to students enrolled at Armstrong State College and taking their foreign language courses on this campus and to students who, while enrolled at Armstrong State College, take their foreign language courses on another campus. Students transferring to Armstrong State College, after having completed the required foreign language sequence at another college, are not required to complete the proficiency examinations at Armstrong.

Entering freshmen who wish to exempt the foreign language requirement may do so by successfully completing the proficiency examination through the level required in a specific degree program. For further information on the exemption process, the student should contact the Head of the Department of Languages and Literature.

Program for the Degree
Bachelor of Arts with a Major in English

	Quarter Hours
A. General Requirements*	101
1. English 111, 112, 211, 222	20
2. Mathematics 101, 290	10
3. Laboratory Science Sequence	10
4. History 114, 115 and History 251 or 252	15
5. Political Science 113 and one course selected from: Psychology 101, Anthropology 201, Sociology 201, Economics 201, Criminal Justice 100	10
6. Foreign Language 101, 102, 103, 201	20
7. Two courses selected from: Art 200, 271, 272, 273; Music 200; Philosophy 201; Drama/Speech 227, 228	10
8. Physical Education 103 or 108 and 101 and four activities courses	6
B. Courses in Major Field	40
1. English 406	5
2. One course in English Literature before 1800 to be selected from: English 301, 302, 304	5
3. One course in English Literature after 1800 to be selected from: English 305, 306, 307	5
4. One course in American Literature to be selected from English 308, 309, 310	5
5. Ten hour survey of World Literature: English 327, 328	10
6. Two additional courses in English Language or in literature	10
C. Related Field Requirements Courses numbered 300 or above in the following areas: Art, Drama/Speech, History, Literature, Music, Philosophy	25
D. Electives	25
E. Regents and Exit Examinations	
TOTAL	191

Program for the Degree
Bachelor of Arts with a Major in English
(Drama-Speech Concentration)

	Quarter Hours
A. General Requirements*	101
1. English 111, 112, 211 222	20
2. Mathematics 101, 290	10

* Certain courses may be exempted by examination with credit awarded. See p. 35.

3. Laboratory Science Sequence 10
4. History 114, 115; History 251 or 252 15
5. Political Science 113 and one course selected from: 10
 Psychology 101, Sociology 201,
 Anthropology 201, Economics 201, Criminal Justice 100
6. Foreign Language 101, 102, 103, 201 20
7. Drama/Speech 227 5
8. One course selected from: 5
 Art 200, 271, 272, 273; Music 200;
 Philosophy 201
9. Physical Education 101 and 103 or 108 and four
 activities courses 6

B. Courses in Concentration 40
 Drama/Speech 341, 342, 345, 356, 450; and
 Drama/Speech 400 or English 400 or English 401

C. Courses in Related Fields 30
1. Drama/Speech 228 5
2. English 320, 322, 406 15
3. Comparative Literature 318 5
4. English 325 or 410 5

D. Electives 20

E. Regents and Exit Examinations

TOTAL 191

Program for Secondary School Teachers of English

Quarter Hours

A. General Requirements* 101
1. English 111, 112, 211 222 20
2. Mathematics 101, 290 10
3. Laboratory Science Sequence 10
4. History 114, 115; History 251 or 252 15
5. Political Science 113 and one course to be selected 10
 from: Psychology 101, sociology 201,
 Anthropology 201, Economics 201, Criminal Justice 100
6. Foreign Language 101, 102, 103, 201 20
7. Drama/Speech 228 or 314 and one of the following: 10
 Art 200, 271, 272, 273; Music 200;
 Philosophy 201
8. Physical Education 103 or 108 and 117 and
 three activities courses 6

B. Courses in Major 40
1. English 406 5
2. One course in British Literature before 1800 to
 be selected from English 301, 302, 304 5
3. One course in British Literature after 1800 to be
 selected from English 305, 306, or 307 5
4. One course in American Literature to be selected
 from English 308, 309, 310 5
5. Ten hour survey of World Literature: English
 327 and 328 10
6. English 325 or 410 5
7. One additional English course—300 or 400 level 5

C. Related Field Requirements 20
 Four courses (300 level or above) to be selected
 from the following disciplines: Art, Drama/Speech
 History, Music, Philosophy

* Certain courses may be exempted by examination with credit awarded. See p. 35.

D. Professional Sequence 45
1. Psychology 301; Special Education 205 10
2. Education 203, 330, 425, 439, 446, 447, 448 35

E. Regents and Exit Examinations

TOTAL 206

Course Offerings

AMERICAN CIVILIZATION

AMERICAN CIVILIZATION 225—Introduction to American Civilization. (5-0-5). Offered on demand.

Themes and issues of American Civilization since colonial times, with emphasis on modern setting, using interdisciplinary approaches.

Course Offerings

COMPARATIVE LITERATURE

English 211 is prerequisite to all 300-400 level Comparative Literature courses.

COMPARATIVE LITERATURE 317—Ancient Epic and Lyric. (5-0-5).

COMPARATIVE LITERATURE 318—Ancient Drama. (5-0-5).

COMPARATIVE LITERATURE 400—Special Topics. To be announced as offered. (5-0-5).

Course Offerings

ENGLISH

ENGLISH 110—English as a Second Language. (5-0-5). Offered on demand.

This course is designed to prepare students whose native language is not English to do normal college composition work. Students who pass this course will be eligible for English 111, or upon recommendation by the instructor, for English 112. Admission is by placement test or by permission of the instructor. May not be used in Area I of the Core unless the student meets proficiency level established by the department.

ENGLISH 111—Composition and Fiction. (5-0-5). Offered each quarter.

Assignment to this course is based upon the results of the Diagnostic Test for placement in beginning English courses or upon successful completion of English 99 or English 110. The instruction focuses on rhetoric, organization of ideas, and techniques of reading.

ENGLISH 112—Composition and Poetry. (5-0-5). Offered each quarter. Prerequisite: English 111 or English 191.

ENGLISH 191—Honors Composition. (5-0-5). Fall.

Instruction in this course will not follow the traditional lecture method only; the student will read widely and write a research paper (or papers) in the fashion which the instructor thinks will best discipline him for independent study. This course replaces English 111 for selected students.

ENGLISH 192—Honors Composition and Introduction to Literature. (5-0-5). Prerequisite: English 191 or a grade of "A" in English 111. Winter.

In this course, the student will read more extensively than for English 112 and will write critical papers.

ENGLISH 211—Composition and Drama. (4-2-5). Offered each quarter. Prerequisite: English 112 or English 192.

This course is prerequisite to all 300-400 level courses in English and Comparative Literature.

ENGLISH 222—Literature and the Human Condition. (5-0-5). Offered every quarter. Prerequisite: English 221.

A course ordered around one or all of these questions: (1) man's nature, needs and goals; (2) his place in nature; (3) his relationship to human society. The works read may investigate in depth one point of view on these questions or may explore several contrasting viewpoints. The student will be asked to order and express, at least tentatively, his own views. No term or research paper required.

ENGLISH 250—Intermediate Composition. (5-0-5). (Institutional Credit). Offered on demand.

A course designed to correct deficiencies in writing revealed by the Regents Examination. Prerequisite: Completion of the English core requirements of the student's program. Does not count in the core.

ENGLISH 211 is prerequisite for all 300-400 level courses.

ENGLISH 300—Early English Literature: Beginnings through 1603. (5-0-5). Offered on demand.

ENGLISH 302—17th Century British Literature: 1603-1700. (5-0-5). Offered on demand.

ENGLISH 304—18th Century British Poetry and Prose. (5-0-5). Offered on demand.

ENGLISH 305—19th Century I: British Romantic Poetry and Prose. (5-0-5). Offered on demand.

ENGLISH 306—19th Century II: British Victorian Poetry and Prose. (5-0-5). Offered on demand.

ENGLISH 307—20th Century British Poetry and Prose. (5-0-5). Offered on demand.

ENGLISH 308—American I: Beginnings through Cooper. (5-0-5). Offered on demand.

ENGLISH 309—American II: Emerson through Twain. (5-0-5). Offered on demand.

ENGLISH 310—American III: Rise of Naturalism to the Present. (5-0-5). Offered on demand.

ENGLISH 320—British Drama: Beginnings through 1750. (5-0-5). Offered on demand.

ENGLISH 322—Modern British, American, and Continental Drama: Ibsen to the Present. (5-0-5). Offered on demand.

ENGLISH 325—Advanced Grammar. (5-0-5). Offered on demand.
This is a study of current approaches to grammar (including generative-transformational); phonology, morphology and syntax will be studied.

ENGLISH 327—World Literature I. (5-0-5). Offered on demand.
A study of major works and movements in world literature through the Renaissance.

ENGLISH 328—World Literature II. (5-0-5). Offered on demand.
A study of major works and movements in modern world literature.

ENGLISH 329—Introduction to Literary Research and Writing. (2-0-2). Offered on demand.
A course intended to increase the student's skill in gathering research materials and using bibliographies, to improve the style and mechanics of his scholarly papers, and to familiarize him with literary terminology. Highly recommended for those majors who plan to teach or enter graduate school.

ENGLISH 331—Children's Literature. (Does not apply toward English major). (5-0-5). Offered on demand.

ENGLISH 340—Advanced Composition. (5-0-5). Offered on demand. Prerequisite: English 211 or consent of instructor (does not apply toward English major).
The study of expository and report techniques.

ENGLISH 342—Creative Writing. (5-0-5). Prerequisite: English 222 or consent of instructor. Offered on demand.

ENGLISH 400—Seminar. (1-5)-0-(1-5). Topic to be announced as offered. Offered on demand.

ENGLISH 401—Seminar. (1-5)-0-(1-5). Topic to be announced as offered. Offered on demand.

ENGLISH 405—Chaucer. (5-0-5). Offered on demand.

ENGLISH 406—Shakespeare. (5-0-5). Offered on demand.

ENGLISH 407—Milton. (5-0-5). Offered on demand.

ENGLISH 410—History of English Language. (5-0-5). Offered on demand.

ENGLISH 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior status and English 211. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

ENGLISH 491—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior status and English 211. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Course Offerings

DRAMA/SPEECH

Successful completion of English 111 is prerequisite to all Drama/Speech courses except 227.

DrS 217—Public Speaking. (2-0-2). Offered on demand.
Theory and practice in varied public speaking situations; emphasis on organization, clarity, and delivery technique.

DrS 227—Theatre Laboratory. (0-3-1). Offered every quarter.
Practical experience in theatre. The student will work on the Masquers' production of the quarter. Only one hour of credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.
In the summer students may take up to five hours credit in DrS 227 by working part-time in summer theatre workshop (DrS 450).

DrS 228—Fundamentals of Speech. (5-0-5). Prerequisite: English 111. Offered every quarter.
Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

DrS 341—Oral Interpretation. (5-0-5). Offered on demand. Prerequisite: English 111.
A practical course in the oral interpretation of poetry and prose. The techniques of literary analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

DrS 342—Advanced Acting. (5-0-5). Offered on demand. Prerequisites: English 111 plus at least two credit hours in DrS 227.
Intensive study of characterization and styles of acting from several points: historical, critical, practical, theoretical, and experimental. Emphasis on developing performance skills.

DrS 345—History of the Theatre. (5-0-5). Offered on demand. Prerequisite: English 111.

A survey of theatrical art from its beginning to the present day. The course emphasizes the development of the physical theatre.

DrS 346—Play Production. (5-0-5). Offered on demand. Prerequisite: English 111.

A course in the theory and practice of acting and directing, with special attention to image-making on stage. Individuals under supervision prepare and execute the production of scenes and short plays.

DrS 347—Basic TV Production. (2-9-5).

A course in the theory and practice of television production styles, forms, and concepts, with special emphasis on the critical appreciation of electronic communication technique.

DrS 350—Film as an Art. (5-0-5).

Study of history and development of cinema and cinematic genres with emphasis on critical appreciation of film as an art form. (Course may be repeated when topic changes.)

DrS 400—Special Topics. (1-5)-0-(1-5). Prerequisite: English 111.

The specific subject matter in this course will be determined and announced by the professor at the time when the course is offered.

DrS 450-451-452—Drama Workshop. (0-15-5 each course). Offered in summer only.

This course is summer stock theatre for credit. Students will be directed and instructed by a member of the faculty who is a professional in the theatre. All aspects of production will be studied.

DrS 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior status plus English 111 plus at least one 300 level DrS course. Open to transient students only with the permission of Dean of Facualty at Armstrong and the college from which the student comes.

Course Offerings

PHILOSOPHY

Successful completion of English 111 is prerequisite to all Philosophy courses.

PHILOSOPHY 201—Introduction to Philosophy. (5-0-5). Offered on demand. Prerequisite: English 111.

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science, and religion. Includes a survey of the basic issues and major types of philosophy and shows their sources in experience, history, and representative thinkers.

PHILOSOPHY 301—History of Philosophy: Ancient and Medieval. (5-0-5). Offered on demand. Prerequisite: English 111.

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Middle Ages, with emphasis on selected works of major philosophers.

PHILOSOPHY 302—History of Philosophy: Modern. (5-0-5). Offered on demand. Prerequisite: English 111.

European philosophy from the Renaissance through Kant, emphasizing selected works of major philosophers.

PHILOSOPHY 303—19th and 20th Century Philosophy. (5-0-5). Prerequisite: English 111. Offered on demand.

A study of the major philosophers in philosophical movements of the 19th and 20th centuries.

PHILOSOPHY 400—Special Topics. (1-5)-0-(1-5). Offered on demand. Prerequisite: One 200 or 300 level philosophy course.

The specific subject matter in this course will be determined and announced by the professor at the time when the course is offered.

PHILOSOPHY 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisite: Senior status and English 111.

The student, with the advice and consent of his supervising professor and of the department head, will select the topic for supervised independent study and will submit a prospectus for department approval before the quarter in which the course is to be taken. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Course Offerings

JOURNALISM

JOURNALISM 227—Journalism Laboratory. (0-3-1). Offered on demand.

Practical experience in journalism. Students will work under instruction on the college newspaper staff. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Journalism Laboratory is five quarter hours. Admission by permission of the instructor.

Course Offerings

FRENCH

FRENCH 101-102-103—Elementary French.(5-0-5)(5-0-5)(5-0-5). Offered each year.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required.*

To receive credit for French 103, a student must successfully complete the Modern Language Association L level test in French.

FRENCH 201—Intermediate French. (5-0-5). Offered on demand. Prerequisite: three quarters of college French or three years of high school French.

Further reading of texts, and oral and composition practice. To receive credit for French 201, a student must pass the appropriate national standardized test.

FRENCH 300—Composition and Conversation. (5-0-5). Winter. Prerequisite: French 201.

FRENCH 301—French Literature of the Middle Ages and the Renaissance. (5-0-5). Offered on demand. Prerequisite: French 201.

FRENCH 302—French Classical Drama. (5-0-5). Offered on demand. Prerequisite: French 201.

Selected plays of Corneille, Moliere, and Racine.

FRENCH 304—French Literature of the 19th Century. (5-0-5). Offered on demand. Prerequisite: French 201.

A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

FRENCH 305—French Literature of the 19th Century: Realism and Naturalism. (5-0-5). Offered on demand. Prerequisite: French 201.

FRENCH 351-352-353—Study Abroad in France. (15 hours credit). Prerequisite: French 103.

This course is a summer quarter's residence and study in France in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Dijon for a period of nine weeks. During this time the student will receive intensive instruction in language and culture and will be expected to engage in co-curricular activities sponsored by the University of Dijon and USG.

FRENCH 401—French Literature of the Twentieth Century. (5-0-5). Prerequisite: French 201.

This course is a study of contemporary prose, poetry, and drama with lectures and discussions in French. This course, normally the last course in French that a student would take, includes a serious term paper of considerable magnitude to be written in French.

FRENCH 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior status and French 201. Open to transient students only with permission of the Dean of Faculty at Armstrong and college from which the student comes.

* Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

GERMAN

GERMAN 101-102-103—Elementary German. (5-0-5)(5-0-5)(5-0-5). Offered each year.

Elements of reading and writing; basic vocabulary; simple conversation; essentials of grammar. * To receive credit for German 103, a student must pass the appropriate national standardized test.

GERMAN 201—Intermediate German. (5-0-5). Fall. Prerequisite: Three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice. To receive credit for German 201, a student must pass the appropriate national standarized test.

GERMAN 211—Scientific German. (3-0-3). Offered on demand. Prerequisite: same as 201.

Readings in scientific and technical material with special attention to grammatical difficulties encountered in this literature.

GERMAN 300—Composition and Conversation. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 305—19th Century German Literature. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 307—20th Century German Literature. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 351-352-353—Study Abroad in Germany. (15 hours credit). Prerequisite: German 103.

This course is a summer quarter's residence and study in Germany in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Germany for a period of nine weeks. During this time the student will receive intensive instruction in language and culture and will participate in University sponsored activities.

GERMAN 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisite: Senior status and German 201. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

* Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

Course Offerings

LATIN

LATIN 101-102-103—Elementary Latin. (5-0-5)(5-0-5)(5-0-5). Offered each year.

Essentials of grammar; readings from selected Latin authors.

LATIN 201—Intermediate Latin. (5-0-5). Offered on demand.

Further reading in Latin literature with special emphasis on Vergil and Ovid.

Course Offerings

RUSSIAN

RUSSIAN 101-102-103—Elementary Russian. (5-0-5)(5-0-5)(5-0-5). Offered each year.

These courses are for the purpose of providing the student with the elements of Russian reading, composition, and conversation.* To receive credit for Russian 103, a student must pass the appropriate national standardized test.

RUSSIAN 201—Intermediate Russian. (5-0-5). Fall. Prerequisite: Russian 103.

Further reading of texts, oral and composition practice. To receive credit for Russian 201, a student must pass the appropriate national standardized tests.

Course Offerings

SPANISH

SPANISH 101-102-103—Elementary Spanish. (5-0-5)(5-0-5)(5-0-5). Offered each year.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition, and conversation. * To receive credit for Spanish 103, a student must pass the appropriate national standardized test.

SPANISH 201—Intermediate Spanish. (5-0-5). Fall. Prerequisite: Three quarters of college Spanish or three years of high school Spanish.

Further reading of texts, oral and composition practice. To receive credit for Spanish 201, a student must successfully pass the appropriate national standardized test.

SPANISH 300—Composition and Conversation. (5-0-5). Winter Prerequisite: Spanish 201.

* Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

SPANISH 351-352-353—Study Abroad in Spain. (15 hours credit). Prerequisite: Spanish 103.

This course is a summer quarter's residence and study in Spain in conjunction with the Study Abroad Program of the University System of Georgia. The program is offerd in Salamance for a period of nine weeks. During this time the students will receive intensive instruction in language and culture which will be complemented by a number of excursions.

SPANISH 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior status and Spanish 201. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

LIBRARY SCIENCE

(See listing under Department of Education.)

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Professor Richard M. Summerville, Head; Professor Emeritus Winn; Professor Hudson; Associate Professors Hinkel, Kilhefner, Munson, and Shipley; Assistant Professors Findeis, Leska, and Netherton; Instructors Hinds and Jameson.

The department offers four basic programs of study—each leading to the Bachelor of Science degree with a major in the mathematical sciences. Under this one degree designation students may pursue concentrations entitled "Pure Mathematics Emphasis", "Applied Mathematics Emphasis", "Mathematics Education", and "Computer Science". The mathematics education concentration is specifically designed to prepare teachers of secondary mathematics and is an approved program for the Georgia Teacher's Professional Four-Year Certificate (T-4).

In addition to the above programs, the Department of Mathematics and Computer Science cooperates with the Department of Business Administration to offer the B.B.A. degree with a major in information systems. Details concerning this degree program are given under the catalogue entry for the Department of Business Administration. The Department of Mathematics and Computer Science also participates in the Dual Degree Program of Armstrong State College and the Georgia Institute of Technology under which students may, in five years of study, earn simultaneously the B.S. degree in the mathematical sciences (applied mathematics emphasis) from Armstrong and the Bachelor's degree in any one of a number of fields of engineering from Georgia Tech.

Students who wish to pursue any of the above degree programs should consult with the department head before their first quarter in residence for advisement and planning of their academic program.

Program for the Degree
Bachelor of Science with a Major in the
*Mathematical Sciences**

Quarter Hours

A. General Requirements 96
1. English 111, 112, 211 15
2. One of the courses: 5
Art 200, 271, 272, 273; English 222;
Music 200; Philosophy 201
3. One of the sequences: 10
Biology 101-102; Chemistry 128-129;
Physics 217-218
4. History 114, 115, and either 251 or 252 15
5. Political Science 113 5
6. One of the courses: 5
Psychology 101 (required for the concentration
in Mathematics Education), Sociology 201,
Criminal Justice 100, Economics 201,
Anthropology 201,
7. Mathematics 101, 103, 104, 201, 202, 203 30
8. Computer Science 110 5
9. Physical Education 103 or 108 and 117 and three
activities courses 6

B. Courses in the Major Field 55
Each student majoring in the mathematical
sciences must select one of the following
four options and complete its requirements:

OPTION ONE—PURE MATHEMATICS EMPHASIS:
1. Mathematics 260, 311, 316, and either
312 or 317 16
2. Mathematics 401, 402 8
3. Approved mathematics electives
(300-400 level) 16
4. One foreign language or computer
science sequence 15

OPTION TWO—APPLIED MATHEMATICS EMPHASIS:
1. Mathematics 260, 316, 341, 342 17
2. Computer Science 241 5
3. Approved mathematics electives
(300-400 level), including at least two of
the following courses: 15-18
Mathematics 317, 321, 322,
346, 353, 406
4. Physics 217, 218, 219 or Computer Science
242, Mathematics 220, and Computer Science 320 18-15

OPTION THREE—MATHEMATICS EDUCATION:
1. Mathematics 220, 260, 311, 316, 336 22
2. Approved mathematics electives
(300-400 level) 8
3. Psychology 301 5
4. Education 203, 330, 441, and Special
Education 205 20

OPTION FOUR—COMPUTER SCIENCE:
1. Computer Science 241, 301, 302, 306 20
2. Either Computer Science 341 or 401 5
3. Mathematics 220, 260 10
4. Approved electives in computer science 20

* Certain courses may be exempted by examination with credit awarded. See p. 35.

C. Related Field Requirements 15

In addition to the above requirements, each student majoring in the mathematical sciences must complete fifteen quarter hours of approved courses in one field of study related to his major. Students completing the major requirements under option one (pure mathematics emphasis) or under option two (applied mathematics emphasis) may not use the same field to meet this requirement as was used to meet requirement (4) of the major. Students completing the major requirements under option three (mathematics education) must meet this requirement through student teaching (Education 446, 447, 448).

D. Approved Electives 25

E. Regents and Exit Examinations

TOTAL 191

Course Offerings

MATHEMATICS

MATHEMATICS 101—College Algebra. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: A student must have attained *at least one* of the following *prior to* enrolling; (a) a score of at least 420 on the mathematics portion of the SAT; or (b) a score of at least 20 on the Mathematics Diagnostic Test; or (c) a grade of "S" in Mathematics 099. Dates on which the diagnostic test is administered are given in the academic calendar in the front of the catalogue. Present text: Swokowski, *Fundamentals of College Algebra.*

Real number arithmetic; polynomial and rational expressions; linear and quadratic equations; functions and graphs; inequalities; absolute value; sequences and progressions; the binomial theorem; techniques of counting and elementary probability. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 103—Pre-Calculus Mathematics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or permission of the department head. Present text: Flanders and Price, *Introductory College Mathematics with Linear Algebra and Finite Mathematics.*

Functions; polynomial, trigonometric, exponential, and logarithmic functions; mathematical induction; complex numbers; matrices, determinants, and systems of equations. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 104—Calculus I. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 103 or permission of the department head. Present text: Leithold, *The Calculus with Analytic Geometry.*

Functions; limits; continuity; the derivative and its applications. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 195—Applied Finite Mathematics with Calculus. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101.

Present text: Lial and Miller, *Mathematics with Applications in the Management, Natural, and Social Sciences.*

A survey of elementary analytic, linear, and finite mathematics as they relate to commerce, business, and life situations.

MATHEMATICS 201—Calculus II. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 104. Present text: Leithold, *The Calculus with Analytic Geometry.*

The Riemann integral and its applications; differential and integral calculus of exponential, logarithmic, and trigonometric functions; techniques of integration. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 202—Calculus III. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 201. Present text: Leithold, *The Calculus with Analytic Geometry.*

Polar coordinates; conic sections; hyperbolic functions; Taylor's formula; inderterminate forms; improper integrals; infinite series.

MATHEMATICS 203—Calculus IV. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 202. Present text: Leithold, *The Calculus with Analytic Geometry.*

Two and three-dimensional vectors; parametric equations; solid analytic geometry; differential calculus of several vairables; multiple integration; line integrals.

MATHEMATICS 220—Elementary Statistics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Freund, *Statistics: A First Course.*

Measures of central tendency and dispersion; probability distributions; inferences concerning means, standard deviations, and proportions; analysis of variance; correlation; regression. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 260—Logic, Proof, and Set Theory. (5-0-5). Fall, Spring. Prerequisite: Mathematics 201. Present text: Zehna and Johnson, *Elements of Set Theory.*

Elementary logic; naive set theory; relations and functions; Boolean algebras; ordering relations.

MATHEMATICS 290—Topics in Mathematics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Meyers, *The Math Book.*

A terminal course of selected topics designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics in western thought and contemporary culture.

MATHEMATICS 311-312—Abstract Algebra I, II. 311—(4-0-4), Fall; 312—(3-0-3), Winter (odd years). Prerequisite: Mathematics 260. Present text: Hillman and Alexanderson, *A First Undergraduate Course in Abstract Algebra.*

Classical topics in the elementary theory of groups, rings, and fields.

MATHEMATICS 316-317—Linear Algebra I, II. 316—(4-0-4), Winter; 317—(3-0-3), Spring. Prerequisite: Mathematics 202, 260. Present text: Anton, *Elementary Linear Algebra.*

Linear systems; vector spaces and linear transformations; matrices; determinants; normed linear spaces and inner product spaces.

MATHEMATICS 321-322—Probability and Mathematical Statistics I, II. (4-0-4) each. 321—Fall (even years); 322—Winter (odd years). Prerequisite: Mathematics 202. Present text: Freund, *Mathematical Statistics.*

Probability spaces; random variables; algebra of expectation; random sampling; the law of large numbers; correlation and regression.

MATHEMATICS 336-337—Modern Geometry I, II. 336—(4-0-4), Fall (odd years); 337—(3-0-3). Winter (even years). Prerequisite: Mathematics 260. Present test: Ewald, *Geometry: An Introduction.*

A survey of selected topics from Euclidean, spherical, projective, and finite geometry.

MATHEMATICS 341-342—Differential Equations I, II. (4-0-4) each. 341—Winter; 342—Spring. Prerequisite: Mathematics 203. Present text: Boyce and DePrima, *Elementary Differential Equations and Boundary Value Problems.*

Ordinary differential equations; series solutions; systems of first order differential equations; the Lapace transform; introduction to Fourier series; partial differential equations; Sturm-Liouville theory; applied problems.

MATHEMATICS 346—Mathematical Modeling and Optimization. (4-0-4). Fall (odd years). Prerequisite: Mathematics 203. Present text: Hiller and Lieberman, *Operations Research.*

Design, solution, and interpretation of mathematical models for problems in the social, life, and management sciences. Topics chosen from linear programming, dynamic programming, scheduling theory, Markov chains, game theory, queueing theory, and inventory theory.

MATHEMATICS 353—Numerical Analysis. (5-0-5). Summer (even years). Prerequisites: Mathematics 203 and Computer Science 110. Present text: Conte and deBoor, *Elementary Numerical Analysis.*

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

MATHEMATICS 360—Mathematical Logic. (3-0-3). Spring (even years). Prerequisite: Mathematics 260. Present text: Gustason and Ulrich, *Elementary Symbolic Logic.*

The elementary statement and predicate calculus; formal systems; applications of logic in mathematics.

MATHEMATICS 391—Basic Ideas of Arithmetic. (5-0-5). Winter, Summer. Prerequisite: Mathematics 101. Present text: Copeland, *Mathematics and the Elementary Teacher.*

Fundamental concepts of arithmetic as they relate to the elementary school; current elementary school methods and materials used in arithmetic instruction. (Credit will not apply toward a degree in the mathematical sciences.)

MATHEMATICS 392—Basic Ideas of Geometry. (5-0-5). Offered on demand. Prerequisite: Mathematics 391. Present text: Haag, Hardgrove, and Hill, *Elementary Geometry.*

Fundamental concepts of geometry as they relate to the elementary school; current elementary school methods and materials used in geometry instruction. (Credit will not apply toward a degree in the mathematical sciences.)

MATHEMATICS 400—Special Topics. (1-5)-(0)-(1-5). Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual readings and research under the direction of a member of the mathematics faculty.

MATHEMATICS 401-402—Fundamentals of Modern Analysis I, II. (4-0-4) each. 401—Spring; 402—Fall. Prerequisites: Mathematics 203 and either Mathematics 311 or 316. Present text: Sagan, *Advanced Calculus.*

The real number system; sequences and series; metric spaces; continuous functions on metric spaces; connectedness, completeness, compactness; the Riemann integral; the elementary functions; uniform convergence; the Weierstrass approximation theorem; the Legesgue integral; Fourier series.

MATHEMATICS 406—Functions of a Complex Variable. (5-0-5). Summer (odd years). Prerequisites: Mathematics 203, 260. Present text: Churchill, *Complex Variables with Applications.*

Complex numbers; elementary functions and transformations; the Cauchy theory; conformal mapping; Riemann's mapping theorem.

MATHEMATICS 416—Theory of Numbers. (3-0-3). Winter (even years). Prerequisites: Mathematics 203, 260. Present text: Stewart, *Theory of Numbers.*

Divisibility and congruence; quadratic reciprocity; Diophantine equations; number-theoretic functions and their applications; selected advanced topics from algebraic and analytic number theory.

MATHEMSTICS 436—Topology. (3-0-3). Spring (odd years). Prerequisite: Mathematics 401. Present text: Dugundji, *Topology.*

Topological spaces and homeomorphisms; separability; compactness; connectedness; completeness; metrizability; introduction to homotopy theory.

MATHEMATICS 470—History of Mathematics. (3-0-3). Fall (even years). Prerequisites: Mathematics 203 and six quarter hours of 300-400 level courses in mathematics. Present text: Eves, *An Introduction to the History of Mathematics.*

A survey of the development of mathematics from its empirical beginnings to its present state.

Course Offerings

COMPUTER SCIENCE

COMPUTER SCIENCE 110—Introduction to Computing. (4-3-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present texts: Hackworth and Howland, *Introductory College Mathematics–Computers;* Spencer, *A Guide to BASIC Programming.*

BASIC programming and program structure; elementary logic and Boolean algebra; algorithms; flow charts; debugging; computer solutions of numeric and non-numeric problems; characteristics and applications of computers in modern society.

COMPUTER SCIENCE 231— Business Languages I. (4-3-5). Winter, Summer. Prerequisite: Computer Science 110. Present texts: Fisher, *An Introduction to RPG Programming;* and Shelly and Cashman, *Introduction to Computer Programming–ANSI COBOL.*

Introduction to language and programming applications for small computer systems with RPG; programming and applications of COBOL in the commerical environment; concepts of file processing.

COMPUTER SCIENCE 232—Business Languages II. (4-3-5). Fall, Spring. Prerequisite: Computer Science 231. Present texts: Shelly and Cashman, *Advanced ANSI COBOL Disk/Tape;* and Shelly and Cashman, *ANSI COBOL Workbook.*

Advanced COBOL programming for business applications; table handling, sorting, and report generating facilities of COBOL; processing of tape and disk files.

COMPUTER SCIENCE 241—Scientific Languages I. (4-3-5). Spring, Summer. Prerequisite: Computer Science 110. Present texts: Sprowls, *PL/C: A Processor for PL/1;* and Merchant, *Applied FORTRAN Programming with Standard FORTRAN, WATFOR, WATFIV, and Structured WATFIV.*

Programming of scientifically oriented problems in a higher-level language; language facilities for arrays, input/output, subroutines, non-

COMPUTER SCIENCE 242—Scientific Languages II. (4-3-5). Fall Prerequisite: Computer Science 241. Present text: Peterson, *Introduction to Programming Languages.*

Comparative study of scientific programming languages including facilities for recursion, procedures, storage allocation techniques, string processing, and passing of parameters.

COMPUTER SCIENCE 301—Computer Organization and Programming. (4-3-5). Winter, Summer. Prerequisite: Computer Science 232 or Computer Science 241. Present text: Kuo, *Assembler Languages for FORTRAN, COBOL, and PL/1 Programmers.*

Introduction to systems programming via in-depth coverage of assembler language programming; operating systems; addressing techniques; internal storage structure; machine-level representation of instructions and data; subroutines; I/O; linkers and loaders; macro-facilities; mass data storage facilities.

COMPUTER SCIENCE 302—Data Structures. (4-3-5). Fall. Prerequisite: Computer Science 301. Present text: Knuth, *The Art of Computer Programming: Fundamental Algorithms*, Vol. 1.

Internal representation of arrays, queues, trees, stacks, and lists; hardware characteristics of large computer systems; concepts related to the interaction between data structures and storage structures for the generating, developing, and processing of data.

COMPUTER SCIENCE 306—Data and Programming Management. (4-3-5). Spring. Prerequisite: Computer Science 301. Present texts: Shelly and Cashman, *OS Job Control Language;* and Brown, *System/360 Job Control Language.*

Programming methodology for processing large quantities of data; job control language, utility programs, and data storage and retrieval utilizing mass storage devices.

COMPUTER SCIENCE 320—Statistical Methods for Computer Programming. (3-4-5). Fall. Prerequisites: Mathematics 220 and Computer Science 110. Present texts: Nie, *et al.*, *Statistical Package for the Social Sciences.*

Concepts and skills related to utilizing computers in statistical analysis, including the programming of statistical analyses and elementary simulations, the use of random number generators and the statistical evaluation of their output, and data analysis using packaged systems.

COMPUTER SCIENCE 341—Programming Languages. (4-3-5). Winter (even years). Prerequisites: Computer Science 242 and Computer Science 302. Present text: Pratt, *Programming Languages: Design and Implementation.*

Formal definition of programming languages; specification of syntax and semantics; precedence rules for operators; translation between infix, prefix, and postfix notations; subroutines and coroutines; block structures; list structures; string structures.

COMPUTER SCIENCE 353—Numerical Analysis. (5-0-5). Summer (even years). Prerequisites: Mathematics 203 and Computer Science 110. Present text: Conte and de Boor, *Elementary Numerical Analysis.*

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations;

matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

COMPUTER SCIENCE 401—Systems Programming I. (4-3-5). Winter (odd years). Prerequisite: Computer Science 302. Present text: Donovan, *Systems Programming.*

Software requirements for support of computer systems, especially in a multiprogrammed environment; addressing techniques; file system organization and management; I/O; control systems; spooling; interrupts; reentrant code; user services; executive systems.

COMPUTER SCIENCE 402—Systems Programming II. (4-3-5). Spring (odd years). Prerequisite: Computer Science 401. Present text: Dovovan. *Systems Programming.*

Design and analysis of operating systems; memory management; name management; file systems; segmentation; paging; protection; resource allocation.

COMPUTER SCIENCE 406—Design of Programming Systems. (3-0-3). Summer (odd years). Prerequisite: Computer Science 402. Text: To be selected.

Design of monitor systems; executive systems and operating systems as they relate to current generation computers with facilities for multiprogramming; teleprocessing; real-time and interactive processing.

COMPUTER SCIENCE 431—Control and Organization of Information. (5-0-5). Fall. Prerequisites: Computer Science 232 and Computer Science 301. Present text: Martin, *Computer and Data Base Organization.*

Information analysis and logical design of information systems and data bases; consideration of hardware, access methods, management and control functions, physical storage, communication with the data base, and integrated systems.

COMPUTER SCIENCE 432—Systems Analysis and Design. (4-3-5). Winter. Prerequisite: Computer Science 431. Present Text: Li, *Design and Management of Information Systems.*

Principles and techniques of systems analysis, including personnel and machine requirements, file considerations, problem formulation, analysis aids, iterative requirements of the design phase, and implementation criteria and evaluation; readings and case studies related to analysis and design, and a student project incorporating the techniques studied in an appropriate real-world environment.

COMPUTER SCIENCE 442—Design of Compilers. (4-3-5). Spring (even years). Prerequisite: Computer Science 341. Text: To be selected.

Requirements for higher level digital computer language compilers, including symbol tables, storage allocation, object code translating and interpreting, syntax and semantic scans, and object code optimization.

COMPUTER SCIENCE 490—Special Topics in Computer Science. (0-5)-(0-15)-(1-5). Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual or group readings and research under the direction of a member of the faculty.

COMPUTER SCIENCE 496-497-498—Internship in Computer Science. (0-1)-(12-15)-(5) each. Offered by special arrangement. Prerequisite: Permission of the department head.

Experience, in a variety of computing environments suited to the educational and professional aspirations of the student, under the direction of a member of the faculty and appropriate off-campus supervisory personnel. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

MENTAL HEALTH

(See listing under Department of Psychology and Sociology.)

MUSIC

(See listing under Department of Fine Arts.)

DEPARTMENT OF NURSING

Professor James F. Repella, Head; Associate Professor Hall; Assistant Professors Bell, Keller, Miller, Naurright, Silcox, Slee, D. Smith, Sutton, Williamson; Instructors Almand, Buck, Callaway, Clayton, Cummings, Massey, P. Smith, Sullivan; Vocational Counselor Shearouse.

Admission Requirements

For admission requirements for the Associate in Science degree program in Nursing, refer to the section on "Admissions" in this *Bulletin*.

Associate in Science in Nursing

The Associate in Science degree program in Nursing provides the student with the opportunity to obtain a general education and to study Nursing at the college level. Graduates are eligible to take the State Board Examination for licensure to practice as Registered Nurses.

Student Nurses participate in nursing laboratory experiences at local hospitals and other community agencies and are responsible for providing their own transportation.

A passing grade in all pre or corequisite natural science courses must be maintained each quarter for the student to be allowed to continue in the nursing program. The student must earn a "C" (2.0) or better in each nursing course before he/she will be allowed to register for subsequent nursing courses; therefore, a grade of "C" or better in the previous course

is prerequisite for all nursing courses. A grade of "C" or better must be earned in Nursing 203. An overall GPA of 2.0 is required for graduation from the program.

A student may repeat a given nursing course only once and must complete all requirements for the Associate in Science degree in Nursing within a period of five (5) consecutive calendar years for the date of initial matriculation in the program.

Program for the Degree
*Associate in Science in Nursing**

	Quarter Hours
A. General Requirements	53
1. English 111, 112	10
2. Zoology 208, 209	10
3. Biology 210 and Chemistry 201	10
4. Psychology 101	5
5. Political Science 113	5
6. History 251 or 252	5
7. Elective	5
8. Physical Education 117 and one activity course or three activities courses	3
B. Courses in Major Field	50-52
1. Nursing 100, 101, 102, 103, 104, 201, 202, 203	47
2. Choice of Nursing 204 or 305	3-5
C. Regents and Exit Examinations	
TOTAL	103-105

Course Offerings

NURSING

**NURSING 100 and 100-L—Fundamentals of Nursing. (2-6-5). Prerequisite: Admission to the Nursing program.

This course is designed to provide the student with learning opportunities for the understanding of basic needs of man. Emphasis is placed on understanding of self and the client. Assessment of needs, implementation of fundamental skills, and evaluation of action are inherent throughout the course.

**NURSING 101 and 101-L—Fundamentals of Nursing. (2-6-5) Prerequisite: Nursing 100. Pre- or Corequisite: Chemistry 201. Winter.

A continuation of Nursing 100. Needs of clinents resulting from common stressors are emphasized. Skills of technical and interpersonal intervention are applied to assist the client to increase his adaptive potential.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

** May be exempted by examination with credit awarded. Students must be admitted to the program before examinations are allowed.

NURSING 102—Maternal-Child Health. (2-6-5). Prerequisites: Nursing 100; Zoology 208. Pre or Corequisite: Nursing 100 and Chemistry 201. Winter, Spring.

This course uses an individualized approach to assist the student to utilize the nursing process in helping the expectant family to maintain or improve their adaptation to the stress of a new member. Laboratory experiences are designed to give the student opportunity to develop and practice nursing skills related to maternal and child health.

NURSING 103—Psychiatric-Mental Health Nursing. (2-6-5). Prerequisite: Nursing 101. Pre or Corequisite: Nursing 101, Psychology 101, Chemistry 201, and Zoology 208. Winter, Spring.

This course focuses on the development of self-awareness and on the therapeutic use of self in assisting man to maintain or regain mental health. The client with problems of adaptation is considered not only as an individual but also as a member of a family within a community.

NURSING 104—Introduction to Nursing. (3-0-3). Prerequisite: Permission of the Department. Offered on demand.

This course introduces the student to nursing as a profession, including history, legal aspects, professional organizations and current trends in education and practice. The course also includes foundational concepts concerning man and health within the stress-adaptation continuum. An integral part of the course is the student's development of an approach to learning in a guided independent manner.

NURSING 201 and 202-l—Nursing of Adults and Children I. (4-8-8). Prerequisites: Nursing 101, 102, 103 and Zoology 209. Fall.

Nursing 201 builds upon the concepts of oxygenation, regulatory alteration, immobility and sensory alterations. Background knowledge relating to these concepts is utilized and incorporated in the nursing care of the ill adult and child. Learning experiences are directed toward the care of clients with uncomplicated, commonly occurring stressors which exemplify these concepts. The learner uses the nursing process in providing nursing care to ill clients.

NURSING 202 and 202-L—Nursing of Adults and Children II. (4-8-8). Prerequisite: Nursing 201. Corequisite: Biology 210. Winter.

Nursing 202 is the second of three quarters study of the client experiencing a moderate degree of stress. Each of the four concepts presented in Nursing 201 is built upon as the student learns to utilize the nursing process for ill adults and children undergoing stress in increasingly complex situations.

NURSING 203 and 203-L—Advanced Nursing. (4-8-8). Prerequisite: Nursing 202. Spring.

Nursing 203 is the third of three quarters study of the physically ill client. Emphasis is placed on utilization of the nursing process for adults and children having a multiplicity of needs. Student experiences are designed to permit implementation of care of clients experiencing life threating stressors.

NURSING 204—Clinical Nursing Seminar. (1-4-3). Prerequisite: Nursing 202. Pre or Corequisite: Nursing 203 and permission of Department. Spring.

This course introduces the student to self-directed application of the nursing process for clients in a structured clinical setting. Independent learning experience as agreed upon by student, instructor, and agency serve as the major vehicle by which the student can bridge the gap between the role of student and that of practitioner. The student assumes a leadership role in one or more of the seminars. This course is designed to continue self-directed education and to acquaint students themselves with opportunities for further education.

Bachelor of Science in Nursing

The Department of Nursing offers an upper level curriculum leading to the degree Bachelor of Science in Nursing. This degree program is open to students who are Registered Nurses.

Program for the Degree
*Bachelor of Science in Nursing**

	Quarter Hours
A. General Requirements	43
1. English 211 and one course from:	10
Philosophy 201; Art 200, 271, 272, 273; Music 200; English 222	
2. Mathematics 101 and Mathematics 195 or 220 or 290	10
3. History 114, 115	10
4. Elective in Psychology (300 level or above)	5
5. Elective in Sociology or Social Work (300 level or above)	5
6. Physical Education 103 or 108 and 117	3
B. Courses in Major Field	39
1. Nursing 321, 322, 431, 432, 433	34
2. Choice of:	5
Nursing 430 or Nursing/Social Work 410 or Nursing 305 or Nursing/Social Work 330	
C. Electives (300 level or above)	10
D. Regents and Exit Examinations	
TOTAL	92

Course Offerings

NURSING

NURSING 305—Rehabilitative Processes and Human Sexuality. (5-0-5). Prerequisite: Permission of the Department. Spring.

This course is designed to examine current attitudes toward human sexuality, possible stress factors and individual adaptation and/or

NOTE. Students in the Bachelor of Science degree program in Nursing who did not complete History 251 or 252 and Political Science 113 or their equivalents in their ADN or Diploma programs must do so as part of their baccalaureate degree programs.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

maladaptation. Emphasis is placed on those rehabilitative processes in health care settings which facilitate positive adaptation of clients to sexual problems.

NURSING 321 and 321-L—Interrelationships in Nursing Theory, Education, Research, and Practice. (4-8-8). Prerequisite: Admission to the B.S.N. degree program. Fall.

A course designed to improve the student's ability to utilize the nursing process in facilitating man's adaptation to stress. Emphasis is placed on the integration of research and teaching into the nursing process. The interrelationships of nursing theory, nursing research, nursing education, and nursing practice within the present health care delivery system are explored.

NURSING 322 and 322-L—Physical Assessment. (4-8-8). Pre- or Corequisite: Nursing 321. Winter.

A course designed to enhance the student's skill in ascertaining the client's degree of wellness and level of adaptation to stress. The student will establish a data base using a problem-oriented method of charting and gain clinical experience in the synthesis and utilization of these skills in a selected area of nursing practice.

NURSING/SOCIAL WORK 330—Human Growth and Social Environments. (5-0-5). Prerequisite: Sociology 201 or permission of department. Fall, Spring.

A course designed to examine the reciprocal relationship between man and his environment and the effects of this relationship on man's physical, psychological, emotional, and social development. Emphasis will be placed on facilitating man's adaptation to internal and external stress throughout the life cycle.

NURSING/SOCIAL WORK 410—Human Services to the Elderly. (5-0-5). Prerequisite: Social Work 303 or permission of the department. Winter.

A course designed for students going into public or private agencies serving the elderly. Emphasis will be placed on the social, economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects will be studied when practicable.

NURSING 430 and 430-L—Selected Problems in Clinical Nursing. (2-6-5). Prerequisite: Permission of the department. Spring.

A course designed to give students the opportunity to analyze a major health problem in which they have a particular interest. Concurrent laboratory experience is determined by collaboration of the student, instructor, and agency.

NURSING 431—Communication and Conflict Management in Nursing Leadership. (4-2-5). Pre or Co-requisite: Nursing 321. Winter.

This course is designed to build and expand the student's experience with verbal and non-verbal communicative processes in the prevention, management and resolution of conflict in a health care milieu. Decision-making and management of change are applied to nursing situations.

NURSING 432—Administrative Skills in Nursing Leadership. (4-2-5). Pre or Co-requisite: Nursing 431. Spring.

The course is designed to develop administrative skills based on the processes of communication and conflict management. Primary skills emphasized and applied to the management of change in the health care milieu include employee evaluation, staff development, budgeting, and staffing.

NURSING 433 and 433-L—Preceptorship in Nursing Practice. (4-8-8). Prerequisite: Nursing 321, 322, 431 and Pre- or Corequisite: Nursing 432. Spring.

A course designed to guide the student in synthesizing theories and skills gained from previous learning experiences in order to apply the nursing process in selected community health care settings.

OCEANOGRAPHY

(See listing under Department of Chemistry and Physics.)

PHILOSOPHY

(See listing under Department of Languages and Literature.)

DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, Head; Associate Professors Kinder and Tapp; Assistant Professors Alexander, Bedwell, and Knorr; Instructors Clayton and Ford; Teaching Associate Lariscy.

During the freshman year, all students should take Physical Education 117 (Basic Health) and 103 or 108 (Swimming). During the sophomore year, students may elect any three Physical Education activity courses with the last two numbers being between 01 to 09. Students unable to participate in the regular program should plan an alternate program with the Head of the Department of Physical Education. For other department regulations see "Physical Education Program" under "Academic Regulations."

Physical Education majors are urged to complete their Core Curriculum requirements before entering their junior years.

Program for the Degree
Bachelor of Science in Education with a Major in
Health, Physical and Recreation Education

	Quarter Hours
A. General Requirements*	75
1. English 111, 112, 211, and one course selected from Art 200, 271, 272, 273; Music 200; Philosophy 201; English 222	20
2. History 114, 115	10
3. History 251 or 252	5
4. Political Science 113	5
5. One course selected from: Sociology 201, Economics 201, Anthropology 201	5
6. Laboratory science sequence	10
7. Mathematics 101 and Mathematics 220 or 290	10
8. Psychology 101 and Drama/Speech 228	10
B. Courses in Major Field	72
1. Physical Education 103 or 108; 106; 109; 205; 207 or W.S.I.; and seven courses selected from Physical Education 100, 101, 102, 104, 105, 107, 108, 200, 201, 202, 203, 204, 206, 208, 209	12
2. One of the following required Physical Education 212, 213, 214	2
3. Physical Education 211, 215, 216, 218, 228, 229 313, 314, 315, 318, 319, 322 410, 412, 413, 414	58
C. Approved Electives	7
D. Professional Sequence	40
1. Education 203, 330, 443, 446, 447, 448	30
2. Psychology 301 and Special Education 205	10
E. Regents and Exit Examinations	
TOTAL	194

Course Offerings

PHYSICAL EDUCATION 100—Beginning Weight Training. (0-2-1). Fall.

Emphasis on developing physical fitness through a variety of fundamental weight training exercises. Introduction of mechanical principles and techniques necessary for the understanding of weight training programs. Only one of P.E. 100 or P.E. 204 may count as an activity course toward the six hours of required physical education. Equivalent Savannah State College course - P.E. 125.

PHYSICAL EDUCATION 101—Conditioning Course. (0-2-1). Fall.

Consists of calisthenics, stunts, tumbling lifts and carries, road work, dual combatives, and simple games.

PHYSICAL EDUCATION 102—Team Sports. (0-2-1). Winter.

Consists of two of the following sports: basketball, volleyball softball.

* Certain courses may be exempted by examination with credit awarded. See p. 35.

* PHYSICAL EDUCATION 103—Elementary Swimming. (0-2-1). Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108.)

Beginning swimming strokes, skills, and knowledge pertaining to safety in, on, or about water. This course or its equivalent required of all students.

PHYSICAL EDUCATION 104—Bowling. (0-2-1). Fall, Winter, Spring.

Basic skills in bowling.

PHYSICAL EDUCATION 105—Badminton. (0-2-1). Fall, Winter, Spring.

Basic skills in badminton.

PHYSICAL EDUCATION 106—Tumbling and Gymnastics I. (0-2-1). Fall, Summer.

Fundamentals and practice in beginning tumbling and gymnastic apparatus. Required of Physical Education majors. Equivalent Savannah State College course - P.E. 114.

PHYSICAL EDUCATION 107—Trampoline. (0-2-1). Winter.

The teaching of the proper care and use of the trampoline. Under strict supervision, the student learns to perform the following skills: seat drop, knee drop, front drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersaults.

* PHYSICAL EDUCATION 108—Intermediate Swimming. (0-2-1). Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108.)

Five basic strokes, skills endurance and knowledge pertaining to safety in, on, or about water. Required, if advised by Physical Education Department.

PHYSICAL EDUCATION 109—Tumbling and Gymnastics II. (0-2-1). Winter.

Continuation of P.E. 106 with additional practice of tumbling and gymnastic apparatus. Prerequisite: P.E. 106 or permission of the instructor. Required of majors. Equivalent Savannah State College course - P.E. 145.

PHYSICAL EDUCATION 115—Officiating of Football. (2-2-2). Fall.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community

* Either P.E. 103 or P.E. 108 is required of all students. Students may register for the course for which they feel qualified without taking a swimming test. The instructor of that course will administer the swimming test, and any student enrolled in the improper course will be required to change to the proper course. Any student who holds a valid senior life-saving certificate and/or a valid water safety instructor's certificate and/or passes the Armstrong swimming test may be exempted from the required swimming courses.

recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 116—Officiating of Basketball. (2-2-2). Winter.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 117—Basic Health. (2-0-2). Fall, Winter, Spring.

A basic course in health education with emphasis on personal health.

PHYSICAL EDUCATION 200—Handball and Paddleball. (0-2-1). Winter.

Basic instruction in handball and paddleball activities.

PHYSICAL EDUCATION 201—Elementary Tennis. (0-2-1). Fall, Winter, Spring.

Instruction in class organization and methods of teaching skill in tennis.

PHYSICAL EDUCATION 202—Advanced Life Saving Course in Swimming. (0-2-1). Spring.

The American Red Cross Senior Life Saving Course. (May be substituted for Physical Education 103 or 108.)

PHYSICAL EDUCATION 203—Archery. (0-2-1). Spring.

Basic skills in archery. Equivalent Savannah State College course - P.E. 117.

PHYSICAL EDUCATION 204—Advanced Weight Training. (0-2-1). Spring.

Emphasis on continued development of physical fitness through a variety of advanced weight training exercises. Improvement of maximal muscular strength and endurance in the main muscle groups of the body through progressive resistance exercises. Prerequisite: P.E. 100 or permission of the instructor. Only one of P.E. 100 or P.E. 204 may count as an activity course toward the six hours of required physical education. Equivalent Savannah State College course - P.E. 126.

PHYSICAL EDUCATION 205—Folk, Square, Social Dancing. (0-2-1). Winter.

Instruction and practice in all forms of folk, square, and social dancing with emphasis on teaching techniques. Required of Physical Education majors. Equivalent course at Savannah State College: P.E. 302.

PHYSICAL EDUCATION 206—Beginning Modern Dance. (0-2-1). Winter.

Basic Interpretative Dancing.

PHYSICAL EDUCATION 207—Swimming Methods and Techniques. (0-2-1). Winter, Spring. Prerequisite: P.E. 108 or equivalent.

Methods and techniques of teaching beginning swimming skills. Required of majors not completing the Water Safety Instructor's Course (offered by the American Red Cross.)

PHYSICAL EDUCATION 208—Golf. (0-2-1). Fall, Winter, Spring.

Basic techniques and instruction for the beginning golfer.

PHYSICAL EDUCATION 209—Intermediate Modern Dance. (0-2-1). Spring. Prerequisite: P.E. 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

PHYSICAL EDUCATION 210—Prevention and Treatment of Athletic Injuries. (2-1-2). Spring.

Theory and practice of caring for and preventing injuries relating to a large variety of sports. Students will be required to assist in laboratory experiences with treating and preventive training through the athletic, intramural or physical education programs. Equivalent Savannah State College course - P.E. 205.

PHYSICAL EDUCATION 211—Safety and First Aid. (3-0-2). Fall, Winter, Spring.

The American Red Cross Standard and Advanced course in First Aid. Required of majors. Equivalent course at Savannah State College: H.Ed. 300.

PHYSICAL EDUCATION 212—Coaching Football. (3-0-2). Fall.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 213—Coaching Basketball. (3-0-2). Winter.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 214—Coaching Baseball and Track. (3-0-2). Spring.

Instruction and practice in fundamental skills and team play emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 215—Organization and Administration of Athletics. (3-0-3). Spring.

A comprehensive study of theories of organization and administration of athletics. Required of majors.

PHYSICAL EDUCATION 216—History and Principles of Health, Physical and Recreation Education. (5-0-5). Winter, Spring.

Historical and scientific background of the practices in health and physical education. Required of majors. Equivalent course at Savannah State College: P.E. 235.

PHYSICAL EDUCATION 218—Personal and Community Hygiene. (5-0-5). Spring.

Principles of health with emphasis upon home, community, mental, and personal health. Must be taken by the major in place of Physical Education 117. Equivalent course at Savannah State College: P.E. 235.

PHYSICAL EDUCATION 228—Structure and Function of the Human Body I. (3-4-5). Fall.

A study of the skeletal and muscle systems of the human body. Credit may not be applied toward the core natural science requirement. Required of majors. Equivalent course at Savannah State College: P.E. 304.

PHYSICAL EDUCATION 229—Structure and Function of the Human Body II. (3-4-5). Prerequisite: P.E. 228. Winter.

A continuation of P.E. 228 with emphasis on certain human organ systems such as circulatory, respiratory, nervous and digestive. Credit may not be applied toward the core natural science requirement. Required of majors. Equivalent course at Savannah State College: P.E. 301.

PHYSICAL EDUCATION 313—Kinesiology. (3-0-3). Spring. Prerequisite: P.E. 228.

The mechanics of muscles in action. Required of majors.

PHYSICAL EDUCATION 314—Skill Techniques. (3-0-3). Fall.

Practice in teaching methods and techniques in individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf. Required of majors. Prerequisite: the student must have completed courses in at least three of the sports listed or must have permission of the instructor to enroll.

PHYSICAL EDUCATION 315—Skill Techniques. (0-2-2). Fall, Winter, Spring. Prerequisite: P.E. 314.

Laboratory experiences consisting of assisting and teaching individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf.

PHYSICAL EDUCATION 318—Intramural and Recreational Activities. (2-1-3). Fall, Winter, Spring.

Organization and administration of intramural sports with emphasis on secondary and elementary school programs. The study of organization of recreation programs with emphasis on recreation programs in the community through city and county sponsored agencies, YMCA, Boys Club, etc. Required of majors. Equivalent course at Savannah State College: P.E. 316.

PHYSICAL EDUCATION 319—Physical Education for the Exceptional Child. (3-2-5). Winter.

Lectures and laboratory and field experiences in methods and practices of identification and programming for the exceptional child. Required of majors. Prerequisite: Physical Education 313 or permission of the instructor. Equivalent course at Savannah State College: P.E. 305.

PHYSICAL EDUCATION 320—Health and Physical Education for the Elementary School Teacher. (3-2-5). Winter, Summer.

Theory and current practice in the teaching of health and physical education at the elementary school level. Designed to meet the requirement for elementary certification. Equivalent course at Savannah State College: P.E. 233.

PHYSICAL EDUCATION 322—Techniques of Teaching and Officiating Team Sports. (3-0-2). Spring.

Analysis of skills involved with teaching and officiating team sports. Students will receive practice in teaching skills and officiating in class in basketball, volleyball, soccer and softball. Prerequisite: P.E. 102 or permission of the instructor. Required of majors. Equivalent Savannah State College course - P.E. 319.

PHYSICAL EDUCATION 410—Philosophy of Physical Education. (2-0-2). Fall. Prerequisite: P.E. 216.

Interpretation of physical education as a basic part of the living process. Required of majors.

PHYSICAL EDUCATION 412—Measurement and Evaluation in Health, Physical and Recreation Education. (5-0-5). Fall.

Lectures, laboratory and field experience in the development, evaluation and application of tests in health and physical education. Required of majors. Equivalent course at Savannah State College: P.E. 403.

PHYSICAL EDUCATION 413—Special Topics in Physical Education. (5-0-5). Fall, Winter, Spring. Prerequisite: Education 443.

Research methods in health and physical education. Allows students an opportunity for in-depth pursuit into areas of their interests. Open to majors only. Required of majors.

PHYSICAL EDUCATION 414—Organization and Administration of Physical Education. (3-0-3). Spring. Prerequisite: Education 443.

Practice and policies in establishing, administering, and evaluating physical education programs. Such experiences as curriculum planning, budgeting, intramural programs, physical plant planning, and selection, care, and maintenance of equipment are included in this course. Open to majors only. Required of majors. Equivalent course at Savannah State College: P.E. 415.

PHYSICAL SCIENCE

(See listing under Department of Chemistry and Physics.)

PHYSICS

(See listing under Department of Chemistry and Physics.)

DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Professor C. Stewart Worthington, Head; Associate Professors Douglass, Lane; Assistant Professors Brown, Burns, Palefsky, Ralston, Satterfield, and O'Higgins; Instructors Patchak and Tenenbaum.

Students are advised to complete as many of the general degree requirements as possible before entering their junior years. Psychology majors should take Psychology 101-102 before the end of their sophomore years. Social Work majors should take Social Work 101 and Sociology 201 before the end of their sophomore years. Suggested course distributions and annual schedules are available in the department office. All students are urged to seek advisement from their program directors with regard to degree requirements and scheduling.

Program for the Degree
Bachelor of Science with a Major in Psychology
(Research Specialization)

	Quarter Hours
A. General Requirements*	65
1. English 111, 112, 211, and choice of: English 222 or Philosophy 201	20
2. Mathematics 101 and choice of: Mathematics 195 or 290	10
3. History 114, 115 and choice of: History 251 or 252	15
4. Political Science 113	5
5. One of the following sequences: Chemistry 128, 129; Physics 211, 212; Physical Science 121, 122	10
6. Anthropology 201 or Sociology 201	5
B. Courses in Major Field	50
1. Psychology 102, 308, 312, 410, 411, 412	30
2. Two of the following: Psychology 307, 390, 319	10
3. Two of the following: Psychology 303, 305, 311	10
C. Related Field Requirements	30
1. Biology 101, 102 and Mathematics 220	15
2. Foreign language sequence or computer science sequence	15
D. Electives	40-55
1. Upper division courses in anthropology, biology, chemistry, criminal justice, mathematics, psychology, sociology, or social work	15-30
2. Unspecified electives	25

*Certain courses may be exempted by examination with credit awarded. See p. 35

E. Physical Education 103 or 108 and 117 and three activities course 6

F. Regents and Exit Examinations

TOTAL 191-206

Program for the Degree
Bachelor of Arts with a Major in Psychology
(Mental Health Specialization)

Quarter Hours

A. General Requirements* 71
1. English 111, 112, 211, and choice of: 20
English 222 or Philosophy 201
2. Mathematics 101 and choice of: 10
Mathematics 195 or 290
3. History 114, 115 and choice of: 15
History 251 or 252
4. Political Science 113 5
5. One of the following sequences: 10
Physics 211, 212; Physical Science 121, 122
6. Anthropology 201 or Sociology 201 5
7. Physical Education 103 or 108 and 117 and three activities courses 6

B. Courses in Mental Health Work 30
Mental Health Work 101, 102, 201, 203, 204, 205

C. Courses in Psychology 45
1. Psychology 102, 308, 312, 405, 406, 410, and 411 or 412 35
2. Two of the following: 10
Psychology 307, 309, 319

D. Courses in Related Fields 20
1. Mathematics 220 5
2. Biology 101, 102 10
3. Social Work 303 5

E. Electives 25-40
1. Electives to be chosen from: 15-30
Psychology 303, 305, 311; Social Work 309, 320; Anthropology 201, 300; Sociology 365
2. Unspecified Electives 10

F. Regents and Exit Examinations

TOTAL 191-206

Program for Secondary School Teachers
of Social Sciences (Behavioral Sciences)

Quarter Hours

A. General Requirements* 71
1. English 111, 112, 211, and choice of: 20
English 222 or Philosophy 201
2. Mathematics 101 and choice of: 10
Mathematics 195 or 290
3. History 114, 115 and choice of: 15
History 251 or 252
4. Political Science 113 5

* Certain courses may be exempted by examination with credit awarded. See p. 35.

5. One of the following sequences: 10
 Physics 211, 212; Physical Science 121, 122
6. Anthropology 201 or Sociology 201 5
7. Physical Education 103 or 108 and 117 and three activities courses 6

B. Courses in Psychology 50
 Psychology 102, 301, 303, 307, 308, 311, 312, 410, 411, 412

C. Courses in Related Fields 35
1. Biology 101, 102 and Mathematics 220 15
2. Anthropology 201 and Anthropology 300 or 450 10
3. Sociology 201 and Sociology 350 or 450 10

D. Electives 5-10
 To be chosen from Psychology 405, 406; Social Work 320

E. Professional Sequence 35
1. Education 203, 330, 440, 446, 447, 448 30
2. Special Education 205 5

F. Regents and Exit Examinations

TOTAL 196-201

Program for Degree
Bachelor of Arts in Social Work

The Social Work major must check with his/her advisor prior to enrollment in Social Work 303 for the required guidance and evaluation procedure.

Quarter Hours

A. General Requirements* 96
1. English 111, 112, 211, and one of the following 20
 Art 200, 271, 272, 273; Music 200; Philosophy 201, English 222
2. Mathematics 101 and Mathematics 220 or 290 10
3. Political Science 113 and one of the following: 10
 Psychology 101, Anthropology 201, Economics 201, Criminal Justice 100
4. History 114, 115 and History 252 15
5. Laboratory science sequence 10
6. Foreign language 101, 102, 103 *or* Philosophy 201, Anthropology 201, and a social science elective at the 100-200 level 15
7. Sociology 201 and Social Work 250 10
8. Physical Education 103 or 108 and 117 and three activities courses 6

B. Courses in Major Field 50
1. Social Work 303, 309, 310**, 320, 385, 406**, 410 35
2. Social Work 451 and 452 or Social Work 453 15

C. Courses in Related Fields 30
1. Mental Health Work 102 5
2. Sociology 315** and Sociology 340** 10
3. Psychology 305 or Social Work/Nursing 330 5
4. Psychology 405 or 406 5

* Certain courses may be exempted by examination with credit awarded See p. 35

** Offered only at Savannah State College.

5. One of the following: 5
Psychology 101; Economics 201;
Political Science 300, 304, 305

D. Electives 15

E. Regents and Exit Examination

TOTAL 191

Course Offerings

ANTHROPOLOGY

ANTHROPOLOGY 201—Man and His Culture. (5-0-5). Fall. demand.

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

ANTHROPOLOGY 300—Paleoanthropology. (5-0-5). Prerequisite: Anthropology 201. Spring.

A survey of the data that illuminates the evolution of man. The major prehuman and human species, their ecology and cultures, will be discussed.

ANTHROPOLOGY 450—Independent Study. (1-5)-0-(1-5). By invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of the Faculty at Armstrong and the College from which the student comes.

Course Offerings

MENTAL HEALTH WORK

MENTAL HEALTH WORK 101—Introduction to Mental Health Problems. (5-0-5). Fall.

Survey of mental health facilities and institutions. Survey of history of mental health movement. Description of services provided, clients served, and administrative structure with emphasis on mental health agencies in Georgia.

MENTAL HEALTH WORK 102—Foundations of Behavior Assessment. (5-0-5). Prerequisite: M.H.W. 101. Winter.

Objective observation is emphasized, accurate recording of behavioral observations; collection and use of interview data; introduction to case study methods; use of references in assessment.

MENTAL HEALTH WORK 201—Foundations of Behavioral Change. (5-0-5). Prerequisite: M.H.W. 101.Spring.

Survey of theories of personality and behavior changing techniques arising from them. Emphasis on learning theory and environmental influences. Introduction to research methodology.

MENTAL HEALTH WORK 203-204—Practicum. (5 credit hours each). Prerequisite: Mental Health Work 101 and ten additional hours of credit in Mental Health Work.

The student will work a minimum of 12 hours per week in a community agency for a period of two quarters under the supervision of a professional employed by the agency. The student will also attend a one-hour seminar each week to discuss his agency experiences. Open to transient students only will permission of the Dean of Faculty at Armstrong and the college from which the student comes.

MENTAL HEALTH WORK 205—Behavior Assessment Practicum. (5-0-5). Prerequisites: Mental Health Work 101, 102, and Psychology 312.

This course is designed to develop practical skills in testing periods. The student will administer, score, and interpret behavioral tests under professional supervision.

Course Offerings

PSYCHOLOGY

PSYCHOLOGY 101—General Psychology. (5-0-5). Offered each quarter.

An introduction to the vocabulary, concepts, and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

PSYCHOLOGY 102—Introduction to Psychological Research. (4-2-5). Prerequisite: Psychology 101. Spring and Fall.

An introduction to scientific methodology and its application to behavior analysis. Various techniques of data collection and the statistical analysis of such data are emphasized.

PSYCHOLOGY 301—Educational Psychology. (5-0-5). Prerequisite: Psychology 101. Offered each quarter.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 303—Social Psychology. (5-0-5). Prerequisite: Psychology 101. Fall.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effect on behavior.

PSYCHOLOGY 305—Developmental Psychology. (5-0-5). Prerequisite: Psychology 101. Winter and Spring.

A study of the origin and development of psychological processes. The effects of maturational, learning, and social variables on human behavior are examined.

PSYCHOLOGY 307—Perception. (4-2-5). Prerequisites: Psychology 101, 102. Fall.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.

PSYCHOLOGY 308—Learning and Motivation. (4-2-5). Prerequisites: Psychology 101, 102. Fall and Winter.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSYCHOLOGY 309—Physiological Psychology. (4-2-5). Prerequisite: Psychology 101, 102. Winter.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311—Theories of Personality. (5-0-5). Prerequisite: Psychology 101. Spring.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312—Measurement. (5-0-5). Prerequisite: Psychology 102. Fall.

An examination of the theory of measurement. Reliability and validity techniques are discussed, using current psychological tests as examples.

PSYCHOLOGY 319—Animal Behavior. (4-2-5). Prerequisites: Psychology 101, 102. Spring.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide an introduction to animal care, training, and experimentation.

PSYCHOLOGY 320—Industrial Psychology. (5-0-5). Prerequisite: Psychology 101. Winter.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 405—Behavior Disorders. (5-0-5). Prerequisite: Psychology 101. Winter.

A study of the scientific and cultural bases of various conceptions of undesirable behavior. Application of principles derived from basic research will be emphasized.

PSYCHOLOGY 406—Behavior Modification. (5-0-5). Prerequisite: Psychology 101. Spring.

A study of proven methods of generating behavioral change, their empirical foundations, and their applications in clinical, educational and social settings.

PSYCHOLOGY 410—History and Systems of Psychology. (5-0-5). Open only to psychology majors or by invitation of the professor. Fall and Spring.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

PSYCHOLOGY 411—Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Winter.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412—Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Spring.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450—Independent Study. (1-5)-0-(1-5). Open only by invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Course Offerings

SOCIOLOGY

SOCIOLOGY 201—Introductory Sociology. (5-0-5). Offered each quarter.

An introduction to the concept and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society, and the major institutions and processes.

SOCIOLOGY 315—The Family and Alternative Life-Styles. (5-0-5). Prerequisite: Sociology 201.

A study of the role of the family in the development of the individual, the family unit and societal institutions. Consideration will be given to various structures and functions of the family as it exists or is emerging in America.

SOCIOLOGY 333—Exploring Popular Cultures. (4-2-5). Summer. Prerequisite: Sociology 201.

An examination of popular culture using music, radio, television, texts, magazines, movies, technology and language to explore a given era. Comparisions will be made of lifestyles, sex roles, racial attitudes and the national and regional mood of times examined.

SOCIOLOGY 350—Social Problems. (5-0-5). Prerequisite: Sociology 201. Winter and Spring.

An examination of behavioral deviancy, normative strain, and differences between social ideals and social realities in the context of sociological theory.

SOCIOLOGY 360—Urban Society. (5-0-5). Prerequisite: Sociology 201. Offered on demand.

A sociological examination of human ecology, norms, social control, and social processes (and their changing patterns) as they are seen in urban social life in both a historical and contemporary perspective.

SOCIOLOGY 450—Independent Study. (1-5)-0-(1-5). By invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

SOCIAL WORK

The degree program in Social Work is offered jointly by Savannah State College and by Armstrong State College with coordination of the program shifting on a regular basis from one campus to the other. Courses are offered on the Armstrong State College campus, the Savannah State College campus, and at an Off-Campus Field Center.

Course Offerings

SOCIAL WORK 250—Introduction to Human Services. (4-2-5). Offered each quarter.

A study of the origins and evolution of the American social welfare system, with emphasis on themes and patterns leading the present system and approach to services. Requires 20 clock hours per quarter of volunteer work in a social service setting.

SOCIAL WORK 303—Interviewing Methods and Techniques. (4-2-5). Prerequisites: Social Work 250 and Sociology 201. Offered each quarter.

A course designed to develop and sharpen interpersonal communication skills of the generalist social worker. The student must learn to use these skills in a variety of roles including information gatherer, emotional supporter, teacher, care-giver, broker of services, and crisis intervenor, etc.

SOCIAL WORK 309—Group Process. (5-0-5). Prerequisites: Sociology 201 and Social Work 303. Offered each quarter.

A course which utilizes the group experience periodically documented by tape recorder, video tape, and subjective perceptual comparison. It is designed to analyze behavior patterns, roles, and interactions which occur within a group and to develop self-awareness. Family and group treatment situations are role played and demonstrated to relate group process to professional skills needed by the practitioner. Enrollment limited to students in the applied behavioral sciences.

SOCIAL WORK 310—Community Social Planning and Organization. (4-2-5). Prerequisites: Sociology 201 and Social Work 250.

This course is a socio-political study of community development, power, leadership and change as it relates to basic human and social needs. The focus of this course is on the way a community identifies its needs, plans for its treatment and then implements programs. It covers strategies for delivery of services to the less fortunate urban citizens. The network of human services and agencies, whether public or private, is analyzed. Offered only at Savannah State College.

SOCIAL WORK 312—Social Work in a Rural Setting. (5-0-5). Prerequisites: Social Work 303. Offered on demand.

This course examines rural area social structure, needs, and services. The course includes systematic study of values and norms; history and development, economic base, and potential resources. State and federal policy and funding are analyzed for impact for social services. The emphasis is placed upon the unique problems of people in rural areas and social work strategies to serve them.

SOCIAL WORK 320—Ethnic Minorities. (5-0-5). Prerequisites: Social Work 250 or Sociology 201.

This course deals with the present and factual situation of minority groups in America. It will cover problems, causes, agencies, advocates, goals, and alternatives available to minority groups. Emphasis is on the Black American with proportionate attention given to the Chinese American, Chicano, native American and other sizeable minorities.

SOCIAL WORK/NURSING 330—Human Growth and Social Environments. (5-0-5). Prerequisite: Sociology 201 or permission of the department. Offered on demand.

A course designed to examine the reciprocal relationship between man and his environment and the effects of this relationship on man's physical, psychological, emotional, and social development. Emphasis will be placed on facilitating man's adaptation to internal and external stress throughout the life cycle.

SOCIAL WORK 385—Social Policy and Administration. (5-0-5). Prerequisite: Social Work 303.

This course is designed to help students understand the process of social change via bureaucratic structure and the corresponding need for accountability. Given the limitations of staff and funding, students will be taught systems of priority setting and methods of efficiency which will enhance effective and humane service to clients.

SOCIAL WORK 406—Child Welfare. (4-2-5). Prerequisites: Social Work 250, 303, and Social Work/Nursing 330.

This course reviews child development and behavior with an emphasis on the practical application of understanding the psychosocial, mental and physical development of children. The environmental and family situation

is studied and related to the child's development or lack thereof. Actual work with children, identified as needing tutorial help, behavioral correction, emotional support or environmental change, is expected of each student participating. The emphasis is on the disadvantaged child who is most subject to these problems. Offered only at Savannah State College.

SOCIAL WORK/NURSING 410—Human Services to the Elderly. (5-0-5). Fall and Spring. Prerequisite: Social Work 303 or permission of the department.

A course designed for students going into public or private agencies serving the elderly. Emphasis will be placed on the social economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects will be studied where practicable.

SOCIAL WORK 430—Alcohol and Drug Studies. (5-0-5). Winter. Prerequisite: Social Work 303.

A course focusing on the various forms of alcohol and drug use with emphasis on the stages of harmful dependence and addiction. There will be an examination of the legal and social implications of addiction, as well as approaches to treatment and rehabilitation.

SOCIAL WORK 451-452—Field Experience. (Option 1). (7-8 credit hours respectively.)

A student experience in the delivery of human services to increase his knowledge and ability under professional supervision. Each student will work in an agency setting the equivalent of 20 hours per week through exam week. There will be a weekly meeting with the Field Work Co-ordinator. For senior social work students only. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

SOCIAL WORK 453—Field Experience Block. (Option 2). (Taken as an alternative to Social Work 451-452.) (15 credit hours).

A student experience in the delivery of human services to increase his knowledge and ability under professional supervision. Each student will work in an agency setting the equivalent of 40 hours per week through exam week. There will be a weekly meeting with the Field Work Co-ordinator. For senior social work students only. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

SOCIAL WORK 475—Senior Seminar. (5-0-5). Spring.

Social work, as a human service profession, directs its attention to any problem which is amenable to treatment and prevention. The seminar will be geared to recent changes in the structure, function, process, and goals of the human service delivery system and the underlying reasons for these changes.

SOCIAL WORK 490—Independent Study. (1-5)-0-(1-5). Invitation of professor.

Experiential based study of a selected social work topic. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

SOCIAL WORK 491—Independent Study. (1-5)-0-(1-5). Invitation of professor.

Research and experiental based study in social work topic of student interest or specialty. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

RUSSIAN

(See listing under Department of Languages and Literature.)

SPANISH

(See listing under Department of Languages and Literature.)

SPECIAL EDUCATION (SPEECH CORRECTION)

(See listing under Department of Education.)

SPEECH

(See listing under Department of Languages and Literature.)

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(See listing under Department of Biology.)

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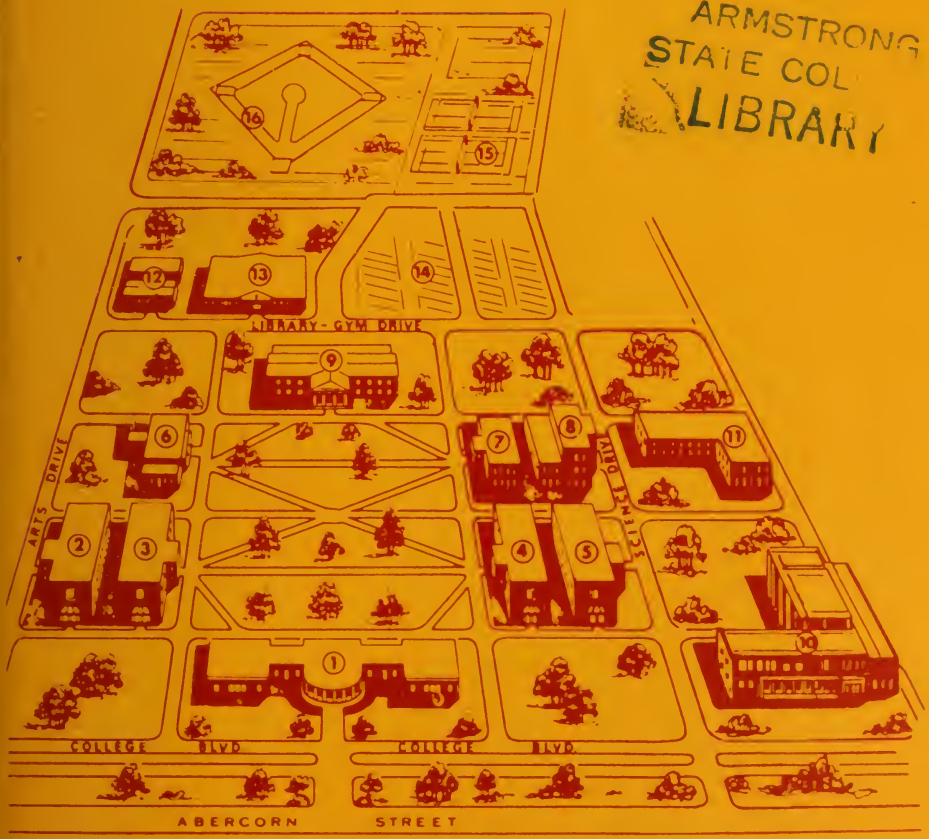
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